Facility Name: PROLL TOYS

Location: 120 ARLINGTON AVE, BLOOMFIELD, NJ.

EPA Region: II

Person(s) in Charge of the Facility: Peter Proll

Name of Reviewer: HAYDER CAMARGO Date: 8-10-90.

General Description of the Facility:

(For example: landfill, surface impoundment, pile, container; types of hazardous substances; location of the facility; contamination route of major concern; types of information needed for rating; agency action, etc.)

PROLL TOYS CURRENTLY ASSEMBLES PREFABRICATED PLASTIC TOYS BY USE OF ADHESIVES TO JOIN VARIOUS PLASTIC PARTS TOGETHER. IN THE PAST PROLL TOYS MANUFACTURED - PLASTIC WEAPON PARTS FOR THE GOVERNMENT AND MAINTAINED A INDOOR SHOOTING RANGE. ONLY A LIMITED AMOUNT OF AMMUNITION WAS MAINTAINED ON SITE.

Scores:

HRS S_M = 4.02 (S_{gw} = 6.91 S_{sw} = 0.84 S_a = 0)

PRO S_M = 16.51 (S_{gw} = 28.26 S_{sw} = 4.20 S_a = 0)

HRS COVER SHEET

249039

Ground Water Route Work Sheet

Rating Factor	Assigned Value (Circle One)	Multiplier	HRS	Max. Score	PRO
1 Observed Release	0 45	1	0	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	4	6	—
Net Precipitation	0 1 (2) 3	1	2	3	—
Permeability of the Unsaturated Zone	0 1 (2) 3	1	2	3	—
Physical State	0 1 2 (3)	1	3	3	—
Total Route Characteristics Score			11	15	—
3 Containment	0 (1) 2 3	1	1	3	—
4 Waste Characteristics					
Toxicity/Persistence	0 3 6 [9] 12 15 18	1	9	18	9
Hazardous Waste Quantity	0 [1] 2 3 4 5 6 7 8	1	1	8	1
Total Waste Characteristics Score			10	26	10
5 Targets					
Ground Water Use	0 1 [2] 3	3	6	9	6
Distance to Nearest Well/Population Served	0 4 6 8 10 / 12 16 18 20 / 24 30 [32] 35 40	1	30	40	30
Total Targets Score			36	49	36
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			3960	57,330	16200
7 Divide line 6 by 57,330 and multiply by 100		S_{gw} =	6.91		~~28.26~~

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	
1-yr. 24-hr. Rainfall	0 1 2 3	1	2	3	
Distance to Nearest Surface Water	0 1 2 3	2	4	6	
Physical State	0 1 2 3	1	3	3	
Total Route Characteristics Score			9	15	—
3 Containment	0 1 2 3	1	1	3	—
4 Waste Characteristics					
Toxicity/Persistence	0 3 6 9 12 15 18	1	9	18	9
Hazardous Waste Quantity	0 1 2 3 4 5 6 7 8	1	1	8	1
Total Waste Characteristics Score			10	26	10
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			540	64,350	2700
7 Divide line 6 by 64,350 and multiply by 100			S_{SW} = 0.84		4.20

AIR ROUTE WORK SHEET

Rating Factor	Assigned Value (Circle One)	Multiplier	HRS	Max. Score	PRO
1 Observed Release	0 45	1	0	45	0
Date and Location:					
Sampling Protocol:					
If line 1 is 0, the S = 0. Enter on line 4. If line 1 is 45, then proceed to line 2.					
2 Waste Characteristics					
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					
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	0

HRS

	S	S^2
Groundwater Route Score (S_{gw})	6.91	47.75
Surface Water Route Score (S_{sw})	0.84	0.71
Air Route Score (S_a)	0	0
$S_{gw}^2 + S_{sw}^2 + S_a^2$		48.46
$\sqrt{S_{gw}^2 + S_{sw}^2 + S_a^2}$		6.96
$\sqrt{S_{gw}^2 + S_{sw}^2 + S_a^2} / 1.73 = S_M =$		4.02

WORKSHEET FOR COMPUTING S_M

PRO

	S	S^2
Groundwater Route Score (S_{gw})	28.26	798.63
Surface Water Route Score (S_{sw})	4.20	17.64
Air Route Score (S_a)	0	0
$S_{gw}^2 + S_{sw}^2 + S_a^2$		816.27
$\sqrt{S_{gw}^2 + S_{sw}^2 + S_a^2}$		28.57
$\sqrt{S_{gw}^2 + S_{sw}^2 + S_a^2} / 1.73 = S_M =$		16.51

WORKSHEET FOR COMPUTING S_M

POTENTIAL HAZARDOUS WASTE SITE

SEVERITY INDEX SCORE SHEET

Site Name : PROLL TOYS
Alias : PROLL MOLDING COMPANY INC.
Address : 120 ARLINGTON AVENUE
City : BLOOMFIELD
County : ESSEX
Municipality Code : 0702
EPA ID # : NJD049862691 SIN Number: 2
DEP Case # : (0=No SIN, 1-9=SIN evaluations)
Latitude (dd-mm-ss) : 40 N 46' 43"
Longitude (dd-mm-ss) : 74 W 12' 06"

Master List Status : C (A = Publicly funded or recalcitrant RP funding
B = Potential Master List site
C = Not publicly funded)

WASTE CHARACTERISTICS

Individual Waste Characteristic Scores:		Data Quality
Toxicity and Persistence :	9 (Toluene)	B
Waste Quantity :	1	B
Containment :	1	B

WASTE CHARACTERISTIC : 10

EXPOSURE POTENTIAL

Population Density/Sensitive Environment : 3

Individual Exposure Media Scores:		Observed?(Y/N)	Data Quality
Groundwater :	2	N	B
Surface Water :	2	N	B
Air :	0	N	B
Soil :	3	N	B
Fire/Explosion :	3	N	B
Direct Contact :	0	N	B

TOTAL SCORE = 3.0

EXPOSURE POTENTIAL : 30.0

Comments on this site: SITE CURRENTLY ASSEMBLES PREFABRICATED PLASTIC TOYS by USE OF ADHESIVES TO JOIN VARIOUS PLASTIC PARTS.

Site remediation activities:

Is there a partial remedial action that should occur at this site on an immediate basis ? N

Has there been a prior remedial action that addresses the problems evaluated ? N

Is this an operating facility ? Y
Is the owner known ? Y
If not, does a PRP exist ? _____
Is public funding anticipated to achieve cleanup ? N

What program currently has the lead for this site ?

DHSM _____	BFO _____	RCRA _____	ECRA _____
SW Eng. _____	BPA _____	Emerg. Resp. _____	NJPDES _____
EPA _____	BCM _____	DWR Enf. _____	DEQ Enf. _____

Other (Specify) NONE

If in a regulatory program, what status is the permit?

Pre-application _____ Application _____
Issued _____ Other (specify) NONE

Site assignment: (Program options: DHSM, BFO, BCM, RCRA, ECRA, SW ENG., BSA, ER, NJPDES, EPA, DWR ENF., DEQ ENF. or OTHER.)

Site status:

Date : 8-10-90 Evaluator : HAYDEE CAMARGO