Facility Name: Detrex Chemical Industries Inc

Location: 835 Industrial Highway, Cinnaminson N.J

EPA Region: II

Person(s) in Charge of the Facility: Anna Farrow

Name of Reviewer: Janet Smolenski Date: 3-30-90

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.)

Detrex Chemical is an active RCRA facility involved in the distribution and storage of chlorinated solvents since 1972. Prior to 1985, the facility was also involved in the recycling and recovery of spent trichloroethylene. The facility is well maintained and operated. Minor spills have occurred at the site, however, there is no evidence of release of contaminants into the environment.

Scores:

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

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

HRS COVER SHEET

199774

Ground Water Route Work Sheet

Rating Factor	Assigned Value (Circle One)	Multiplier	HRS	Max. Score	PRO
1 Observed Release	0 45	1	0	45	0
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	4
Net Precipitation	0 1 2 3	1	2	3	2
Permeability of the Unsaturated Zone	0 1 2 3	1	2	3	2
Physical State	0 1 2 3	1	3	3	3
Total Route Characteristics Score			11	15	11
3 Containment	0 1 2 3	1	0	3	0
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	2	8	2
Total Waste Characteristics Score			20	26	20
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			0	57,330	0
7 Divide line 6 by 57,330 and multiply by 100		S_{gw} =	0		0

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	0
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	0
1-yr. 24-hr. Rainfall	0 1 2 3	1	2	3	2
Distance to Nearest Surface Water	0 1 2 3	2	2	6	4
Physical State	0 1 2 3	1	3	3	3
Total Route Characteristics Score			7	15	7
3 Containment	0 1 2 3	1	0	3	0
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	2	8	2
Total Waste Characteristics Score			20	26	20
5 Targets					
Surface Water Use	0 1 2 3	3	0	9	0
Distance to a Sensitive Environment	0 1 2 3	2	2	6	2
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			2	55	2
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			0	64,350	100
7 Divide line 6 by 64,350 and multiply by 100		S_{sw} = 0			0.07

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 5. 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		0	20	0
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		0	39	
4 Multiply 1 x 2 x 3			0	35,100	0
5 Divide line 4 by 35,100 and multiply by 100 S_a =			0		0

HRS

	S	S^2
Groundwater Route Score (S_{gw})	0	0
Surface Water Route Score (S_{sw})	0	0
Air Route Score (S_a)	0	0
$S_{gw}^2 + S_{sw}^2 + S_a^2$		0
$\sqrt{S_{gw}^2 + S_{sw}^2 + S_a^2}$		0
$\sqrt{S_{gw}^2 + S_{sw}^2 + S_a^2} / 1.73 = S_M =$		0

WORKSHEET FOR COMPUTING S_M

PRO

	S	S^2
Groundwater Route Score (S_{gw})	0	0
Surface Water Route Score (S_{sw})	0	0
Air Route Score (S_a)	0	0
$S_{gw}^2 + S_{sw}^2 + S_a^2$		0.[illegible]
$\sqrt{S_{gw}^2 + S_{sw}^2 + S_a^2}$		0.[illegible]
$\sqrt{S_{gw}^2 + S_{sw}^2 + S_a^2} / 1.73 = S_M =$		0.[illegible]

WORKSHEET FOR COMPUTING S_M

POTENTIAL HAZARDOUS WASTE SITE

SEVERITY INDEX SCORE SHEET

Site Name : Detrex Chemical Industries, Inc
Alias :
Address : 835 Industrial Highway
City : Cinnaminson
County : Burlington
Municipality Code :
EPA ID # : NJD 047318043 SIN Number: 1
DEP Case # : (0=No SIN, 1-3=SIN evaluations)
Latitude (dd-mm-ss) : 40 N 05' 40"
Longitude (dd-mm-ss) : 75 W 01' 08"

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

WASTE CHARACTERISTICS

0

Individual Waste Characteristic Scores:		Data Quality
Toxicity and Persistence :	18 (perchloroethylene)	B
Waste Quantity :	0	B
Containment :	0	B

EXPOSURE POTENTIAL

10

Population Density/Sensitive Environment : 2 + 0 = 2

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

TOTAL SCORE = 0

Comments on this site: Defrep is A RCRA non-major hazardous Waste Facility. The site currently stores and distributes clorinated solvents.

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 ? _____

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

What program currently has the lead for this site ?

DHSM _____	BFO _____	RCRA ✓	ECRA _____
SW Eng. _____	BPA _____	Emerg. Resp. _____	NJPDES _____
EPA _____	BCM _____	DWR Enf. _____	DEC Enf. _____
Other (Specify) _____			

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

Pre-application _____ Application _____
Issued _____ Other (specify) _____

Site assignment:

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

Site status:

Date : 3-27-90 Evaluator : Janet Smolenski

Agency	Phone No.	Contact	Date	File Y/N Reviewed	
Div. Hazardous Site Mitigation					
A. Central File	(609) 292-3909				
B. B. of Env. Evaluation and Risk Assmnt.	(609) 633-6801				
C. Site Management	(609) 984-2900				
D. Other					
Other N.J. DEP					
A. GRS (DEP Attorneys)	(609) 292-5697				
B. Div. of Law (Att. Gen. Office)	(609) 984-3900				
C. Div. of Science and Research	(609) 984-6070				
D. Div. of Fish & Game					
E. Right to Know	(609) 292-6714				
F. Off. of Env. Anal. (aerial photos)	(609) 292-8206				
F. Other					
N.J. Dept. of Health					
N.J. State Library	(609) 292-6220				
U.S. EPA					
A. Surveilance and Monitoring Branch	(201) 321-6605				
B. Response and Prevention Branch	(201) 321-6658				
C. Other					
Local Authorities					
A. Health Officer			2-6-90	Y	Y
B. Tax Assessor or Town Clerk	829-6000	Esther Borcalino			
	829-0455	Dick Taylor (Former Twp. Engineer)			
C. Other (Fire, Police, Public Works, etc..)	829-0742	Tom Cantwell (NJ-American Water Co			

BUREAU OF PLANNING AND ASSESSMENT
FILE/DATA CHECK SHEET
Developed by NJDEP DHWM/BPA 1/14/1980

Agency	Phone No.	Contact	Date	File Y/N Reviewed: file	reviewed
N.J. DEP Div. Water Resources					
A. Central File	(609) 292-0400				
B. Regional Enforcement Office.	----------				
C. Geological Survey	(609) 292-0668				
D. Water Allocation (well logs) (radius program)	(609) 984-6931 (609) 292-2957				
E. Groundwater Quality Mgt.	(609) 292-0424				
F. Indust. Waste Mgt. (NJPDES permits)	(609) 292-4860				
G. Other	----------				
Div. Haz. Waste Mgnt.					
A. Regional Enforcement Office	426-0702	Debbie	2-16-90	Y	Y
B. Case Management	(609) 633-0701		2/26/90	N	
C. ECRA	(609) 633-7141				
D. Haz. Waste Eng.	(609) 292-9880				
E. Other	----------				
Div. Env. Quality					
A. Reg. Air Pollution Control Office	426-0796		2-16-90	Y	Y
B. Office of Quality Assurance	(609) 292-3950				
C. Other	----------				
Div. Solid Waste Mgt.					
A. File Room	(609) 292-0112		2-16-90	N	
B. Enforcement Office	(609) 426-0791				
C. Solid Waste Eng.	(609) 292-7875				