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RATING FORM FOR WASTE DISPOSAL SITES

NAME OF SITE HOOKER CHEMICAL, TACOMA (ACTIVE) INACTIVE INACTIVE AND ABANDONED (CIRCLE ONE)

LOCATION 605 Alexander Ave., Tacoma, WA 98401 Lat 47°16'40"N Long 122°24'10"W

OWNER OPERATOR Hooker Chemical

COMMENTS: Three waste streams: (1) chlorinated organics (chloroform, carbon tetrachloride, TCE, and hexachlorethane); (2) brine sludge (calcium carbonate, magnesium hydroxide, and sodium chloride with strontium and 0.2% lead); and (3) asbestos. Of these, (2) and (3) were partly disposed of on-site and (1) was discharged to sea or stored in railroad tankers and drums.

PREPARED BY: Hussein Aldis ON August 18 19 80

RATING FACTOR	SOURCE AND BASIS OF INFORMATION	SITE RATING (CIRCLE ONE)				MULTIPLIER	SITE SCORE	MAXIMUM POSSIBLE SCORE
RECEPTORS								
POPULATION WITHIN 1,000 FEET	Industrial area	(0)	1	2	3	12	0	36
DISTANCE TO NEAREST DRINKING-WATER WELL	None down gradient	(0)	1	2	3	8	0	24
DISTANCE TO NEAREST OFF-SITE BUILDING	< 1000 feet	0	1	2	(3)	8	24	24
LAND USE-ZONING	Industrial	0	1	(2)	3	6	12	18
CRITICAL ENVIRONMENTS	Shallow marine	0	1	(2)	3	6	12	18
ADDITIONAL POINTS FOR OTHER RECEPTORS							0	50
						SUBTOTALS	48	170
NUMBER OF MISSING AND ASSUMED VALUES = 0 OUT OF 5.								
PERCENTAGE OF MISSING AND ASSUMED VALUES = 0 %.						SUBSCORE (SITE SCORE DIVIDED BY MAXIMUM SCORE AND MULTIPLIED BY 100.)		28%
PATHWAYS								
EVIDENCE OF CONTAMINATION	Analytical results	0	1	2	(3)	2	6	6
LEVEL OF CONTAMINATION	Ground water, surface	0	1	(2)	3	7	14	21
TYPE OF CONTAMINATION	Ground water, sruface	0	1	2	(3)	5	15	15
DISTANCE TO NEAREST SURFACE WATER	< 1000 feet	0	1	2	(3)	8	24	24
DEPTH TO GROUNDWATER	< 20 feet	0	1	2	(3)	7	21	21
NET PRECIPITATION	+20 inches per year	0	1	2	(3)	6	18	18
SOIL PERMEABILITY	Sandy fill	0	1	(2)	3	6	12	18
BEDROCK PERMEABILITY	Low; clay	0	(1)	2	3	4	4	12
DEPTH TO BEDROCK	Approximately 80 feet	(0)	1	2	3	4	0	12
ADDITIONAL POINTS FOR OTHER PATHWAYS	Surface water runoff						4	25
						SUBTOTALS	118	172
NUMBER OF MISSING AND ASSUMED VALUES = 0 OUT OF 9.								
PERCENTAGE OF MISSING AND ASSUMED VALUES = 0 %.						SUBSCORE (SITE SCORE DIVIDED BY MAXIMUM SCORE AND MULTIPLIED BY 100)		69%

recycled paper
Ecology and Environment, Inc.

NAME OF SITE HOOKER CHEMICAL

WASTE CHARACTERISTICS

TOXICITY	Hexachlorethane, chlorinated hydrocarbons, asbestos	0	1	2	(3)	7	21	21
RADIOACTIVITY	None	(0)	1	2	3	7	0	21
PERSISTENCE	High, heavy metals	0	1	2	(3)	5	15	15
IGNITABILITY	Very low	(0)	1	2	3	3	0	9
REACTIVITY	Mildly reactive	0	(1)	2	3	3	3	9
CORROSIVENESS	Low	0	(1)	2	3	3	3	9
SOLUBILITY	High (salt)	0	1	2	(3)	4	12	12
VOLATILITY	Low	(0)	1	2	3	4	0	12
PHYSICAL STATE	Solids and liquids	0	1	(2)	3	4	8	12
ADDITIONAL POINTS FOR OTHER WASTE CHARACTERISTICS	Carcinogens						4	20

NUMBER OF MISSING AND ASSUMED VALUES = 0 OUT OF 9.

PERCENTAGE OF MISSING AND ASSUMED VALUES = 0 %.

SUBTOTALS 66 140

SUBSCORE (SITE SCORE DIVIDED BY MAXIMUM SCORE AND MULTIPLIED BY 100.) 47%

WASTE MANAGEMENT PRACTICES

SITE SECURITY	Good	(0)	1	2	3	7	0	21
HAZARDOUS WASTE QUANTITY	Unknown	~~0~~	~~1~~	~~2~~	~~3~~	~~7~~		~~21~~
TOTAL WASTE QUANTITY	Unknown	~~0~~	~~1~~	~~2~~	~~3~~	~~5~~		~~15~~
WASTE INCOMPATIBILITY	Compatible	(0)	1	2	3	5	0	15
USE OF LINERS	None	0	1	2	(3)	3	9	9
USE OF LEACHATE COLLECTION SYSTEMS	None	0	1	2	(3)	3	9	9
USE OF GAS COLLECTION SYSTEMS	None	0	1	2	(3)	2	6	6
USE AND CONDITION OF CONTAINERS	None	0	1	2	(3)	2	6	6
ADDITIONAL POINTS FOR OTHER WASTE MANAGEMENT PRACTICES	Poor records						4	30

NUMBER OF MISSING AND ASSUMED VALUES = 2 OUT OF 8.

PERCENTAGE OF MISSING AND ASSUMED VALUES = 25 %

SUBTOTALS 34 96

SUBSCORE (SITE SCORE DIVIDED BY MAXIMUM SCORE AND MULTIPLIED BY 100) 35%

NUMBER OF MISSING AND ASSUMED VALUES = 2 OUT OF 31.

PERCENTAGE OF MISSING AND ASSUMED VALUES = 65 %

TOTAL SITE SCORE 266

TOTAL MAXIMUM POSSIBLE SITE SCORE 578

OVERALL SCORE 46%
(TOTAL SCORE DIVIDED BY MAXIMUM SCORE AND MULTIPLIED BY 100)