

1294
HAZARDOUS WASTE SITE INVESTIGATION

Sterling Drugs, Inc., Site 1
Rensselaer, New York
(TDD# 02-8011-43)

Participating Personnel:

Fred C. Hart Associates, Inc.
Paresh G. Parekh, P.E. Sr. Environmental Engineer
Edward Moore, P.E. Sr. Geotechnical Engineer
Frances Barker, Chemist

New York State Department of Environmental
Resource
Gary Johnston, P.E. Sanitary Engineer

Report Prepared by:

Paresh G. Parekh, P.E.
Sr. Environmental Engineer

Typed: H. Postlewait

February 4, 1981

Paresh G. Parekh, P.E.
Sr. Environmental Engineer

BACKGROUND

This inactive landfill which was used for liquid and solid waste disposal by Sterling Drugs, Inc. The landfill is located at the main plant of Sterling Organics, Inc., a subsidiary of Sterling Drugs, Inc. in the City of Rensselaer. It is entirely covered by paved road and buildings currently owned by Sterling Organics, Inc. The site was active prior to 1947 and for six months in 1970 at which time the area was a swamp.

NATURE OF PROBLEM

Unknown amount of waste such as filler cakes, rejected products, packaging materials solvents, still bottoms, and oils were placed on the site. No ground water wells exist in the vicinity of the site to verify the extent of groundwater contamination. No known leachate or surface water discharges have been documented to date. The waste disposed may have contaminated the groundwater.

CONCLUSION

No basement fumes or health hazards have been reported to date. Sump pumps are present on the building which could be a potential sampling in future during high groundwater season.

The DPO was briefed on this site on January 26, 1981. It was mutually agreed that sampling is not necessary at this time.

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PART III

SUBSTANCES OF CONCERN
(Refer to attached TABLE I)

66263

Complete all information for those substances your facility has used, produced, stored, distributed or otherwise disposed of since January 1, 1971. Do not include chemicals used only in analytical laboratory work. Enter the name and code from Table I. If facility uses a substance in any of the Classes A - F which is not specified in the list, enter it as code class plus 99, e.g., B99 with name, usage, etc.

NAME OF SUBSTANCE	CODE	AVERAGE ANNUAL USAGE (lbs.)	DEC. 31 AMOUNT NOW ON HAND (lbs.)	✓		PURPOSE OF USE (State whether produced, reacted, blended, packaged, distributed, no longer used, etc.)
				CLAS	USE	
Acetone	F09	197	0	✓		R
Acetophenone	F09	351	1,889	✓		R
Allyl Salicylic Acid	F09	49,853	253	✓		B,W
Aniline	F09	6	0	✓		R
Asp	F09	157	0	✓		R
Allyl Bromide	F09	25	0	✓		R
Allyl Chloride	F15	464	2,246	✓		R
Ammonio Acetylpyrrolone	F09	158	39	✓		R
Aspirin, acetylsalicylic acid	F09	1,529	342	✓		MLU
Bitum. Oil	F05	10,245	464	✓		R
Bisphenol-A	F09	338	0	✓		MLU
Chronic Acid	F09	474	0	✓		R
Chromophore	F09	2,579	0	✓		R
Cinnamic Acid	F09	2,489	10,638	✓		R
Diethyl-2-Pyridylcarboxylate	F09	0.24	0	✓		R
Ethylene Oxide	G12	18,065	8,657	✓		R Sterilization
Formaldehyde	F09	7	23	✓		MLU
Formaldehyde	F09	66,786	28,153	✓		R
Formoline	F09	92	19	✓		W
Hexyl Phosphate Ester	D01	211,098	55,372	✓		S
Hexyl Peroxide	F09	153	37	✓		R
Hexyl Alcohol	F09	97	42	✓		R
Hexylene	F09	21,305	22,371	✓		R
Hexyl Chloride	A09	64,232	12,272	✓		R
Hexyl Bromide	F09	300	142	✓		R
						CODE
						R - Reacted B - Blended
						P - Produced
						S - Solvent
						MLU - No Longer Used

For chemicals of unknown composition, list trade name or other identification, name of supplier and complete information.

NAME OF SUBSTANCE	AVERAGE ANNUAL USAGE	AMOUNT NOW ON HAND	✓		SUPPLIER	PURPOSE OF USE (State whether produced, reacted, blended, packaged, distributed, no longer used, etc.)
			CLAS	USE		

I hereby affirm under penalty of perjury that information provided on this form is true to the best of my knowledge and belief. False statements made herein are punishable as a Class A misdemeanor pursuant to Section 210.45 of the Environmental Law.

NAME (Owner, Partner, or Officer) Donald S. Shepherd DATE April 7, 1972

Printed or Typed DONALD S. SHEPHERD TITLE VIC. PRESIDENT

SUBSTANCES OF CONCERN (cont.)

66-263

Name of Substance	Code	Average Annual Usage (lbs.)	Amount Now on Hand (lbs.)	Purpose of Use
* Butyl Paraben	F99	0.5	0	B,W
n-Butyryl Chloride	Q99	1,071	1,142	R
* Caffeine	F99	1,000	600	B,W
o-Chloro Benzaldehyde	B99	68,254	50,300	R
Chlorobutanol	B99	30	100	R
Chloroform	A03	4,270	1,300	S
* Chlorpheniramine Maleate	B99	100	00	B,W
Lincolic Alcohol	F99	6,914	0	R
Cyclohexyl Chloride	A99	1,506	0	R
Cyclo Pentyl Bromide	A99	21	0	R
* Diamine Diphenyl Sulfone	F99	465	194	MLU
Dibenzoyl Tartaric Acid	F99	30	0	MLU
DL-Dibenzylamine	F99	515	53	R
2,4-Dichlorobenzyl Chloride	A99	37	100	R
2,4-Diethoxybenzoic Acid	F99	0.4	0	R
Diethylaminoethyl Chloride	B99	542	150	R
Dimethylaminoethyl Chloride HCl	B99	1,035	14	R
2,5-Dinitrobenzoic Acid	F99	170,551	40,400	R
Diphenylacetoneitrile	F99	17	0	R
Diphenylhydantoin Acid	F99	1,472	740	R
Godscol Chloride	A99	95	0	R
* 4-(2-Aminoethyl)pyrocatechol	F99	18	0	B,W
* Procarbil	F99	74	79	R
* Salsufen Sodium	F99	6,300,300	100,000	S
* L-Epinephrine Base	F99	0.01	0	R
Ephedrine HCl Racemic	F99	7,140	0	R
Ethyl Bromide	A99	70	0	R
Ethylene Dichloride	A11	224,402	30,700	S
Formal Amino Antizyrine	F99	427	100	R
* Hexachlorophane	B11	315,627	00,000	B
* Hexylresorcinol	F99	1,704	733	R
* L-Histidine Mono HCl	F99	50	0	R
Hydrazine Hydrate	F99	000	1,140	R

Pharmaceutical Product

SUBSTANCES OF CONCERN (con't.)

66263

Name of Substance	Code	Average Annual Usage (lbs.)	Amount Now on Hand (lbs.)	Purpose of Use
* Hydroquinone	F02	310	693	B
Indole Acetic Acid	F99	4	0	R
* Isoproterenol Sulfate	F99	0.07	0	B
3,4-Lutidine	F99	22,746	0	MLU
* Merthiolate	F99	1	307	B
Meta Bromoacetophenone	B99	4,368	0	R
Meta Cresol	F01	55	303	R
Meta Hydroxy Benzaldehyde	F99	35	0	R
* DL-Metaneprine	F99	0.6	0	B
Meta Nitro Benzoic Acid	F99	20,446	73	R
* Metaraminol Sitarbate	F99	39	13.2	B
N-Methyl Phen Acetic Acid	F99	40	0	R
Methyl Eranide	A06	4	0	R
Methylene Chloride	A02	23,741	17,662	R
* Methyl Mercapt	F99	236	69	B
N-Methyl-2-Pyrrolidone	F99	27	427	R
Mono Chlor Acetic Acid	B99	16,734	0,200	R
Mono Chloro Benzene	A13	16,235	2,187	R
Mono Chloroacetyl Chloride	B99	1,862	2,853	R
Nitrofurazone	F99	28	139	R
* DL-Normetanephrine	F99	0.6	1.3	B
Ortho Chlor Benzoic Acid	B99	3,541	200	R
Ortho Chlor Benzyl Chloride	A99	136	111	R
Ortho Hydroxyacetophen	F99	832	152	R
D-Amino Salicyl Acetate	F99	550	110	R
Para Nitro Benzoyl Chloride	B99	440	0	R
Para Nitro Phenol	F03	1,779	0	R
Paracetidin	F99	61	563	R
* Phenacetin	F99	2,806	2,110	B
* Phoscarbital	F99	3,161	1,388	B
Phenol	F01	18,514	547	R
* Phenolphthalein	F99	16,547	10,480	B
Para Chlor Phenol	B07	53	200	R

Pharmaceutical Product

SOLID WASTE MANAGEMENT SURVEY
RIVERSIDE PLANT

4/7/78

<u>ITEM (Waste Stream)</u>	<u>APPROXIMATE ANNUAL QUANTITY</u> (tons/year)	<u>DISPOSITION</u>
VI. <u>Still Bottoms</u>	8	Hold for shipment to licensed chemical waste contractor
VII. <u>Carcinogenic, Mutagenic & Teratogenic wastes to landfill</u>	--	No known wastes in this category
VIII. <u>Waste Oil</u>	2	Picked up by waste oil redemption contractor
IX. <u>Spent Catalyst Waste (back to supplier)</u>	45	Returned to refiner
X. <u>Raw Material Packaging</u>	21	Returned to supplier
A. Fiber drums, wooden kegs, paper bags.	--	Sold to drum reconditioner
B. Steel drums	3	Unsalvageable drums to Albany City Landfill
XI. <u>Byproduct waste (including sodium chloride, potassium bromide, quaternary, isopropylamine HBR, sodium sulfate, papers, cloth)</u>	9	Hold for review of waste criteria. Acceptable materials to Albany City Landfill; other materials to licensed chemical waste contractor
XII. <u>Recovered Solvents</u>	--	Still bottoms are the only solid waste and are included in Category VI above.

Albany City Landfill

Steel drums

Northwest Oil 3/28/74

Steel drums

*via common carrier
via common carrier to Matthew Bishop
via common carrier (45) Patkaws Int'l, Texas*

*Albany City Landfill
Returned to supplier
Sold to drum reconditioner
Unsalvageable drums to Albany City Landfill*

Steel drums

4/7/78

SOLID WASTE MANAGEMENT SURVEY
RIVERSIDE PLANT

ITEM (waste stream)

APPROXIMATE ANNUAL QUANTITY
(tons/year)

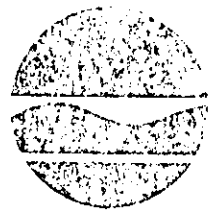
DISPOSITION

I. <u>Chlorinated Solvent</u>			
A. Ethylene Dichloride	7.5		Hold for shipment to licensed chemical waste contractor.
II. <u>Other Solvents</u>			
A. Ethyl Ether	1.2		"
B. Ethyl Alcohol, 2B	6		"
C. Methyl Alcohol	58		"
D. Toluene	8		"
III. <u>Filter Cake</u>			
A. <u>Charcoal - Wet*</u>			
1. Diatrizoate Sodium Process	200.0		Albany City Landfill
2. Other	15.0		Hold for anticipated disposal at Albany City Landfill.
B. <u>Non-Charcoal</u>			
1. Filtercel, Solka flac, paper	4		"
2. Filtercel, sodium sulfate, starch, potassium carbonate, papers	2		Hold for review of waste criteria. Acceptable materials to Albany City Landfill; other materials to licensed chemical waste contractor
IV. <u>Lab Chemical Waste</u>			
		Negligible	Included with returned goods and rejected products.
V. <u>Returned Goods & Rejected Product</u>			
	750.		Hold for review of waste criteria, acceptable materials to Albany Landfill or wastewater system, other materials to licensed waste contractor.

* Quantity includes water weight

INDUSTRIAL CHEMICAL SURVEY

Question #9



PLEASE COMPLETE AND RETURN TO THE ABOVE ADDRESS, ATTENTION: INDUSTRIAL CHEMICAL SURVEY.

COMPANY NAME Sterling Drug Inc. (Rensselaer Plant)		SIC CODE (if known) 283	OFFICE USE ONLY 5866-26-3	
COMPANY MAILING ADDRESS 33 Riverside Avenue		CITY Rensselaer	STATE New York	ZIP CODE 12144
PLANT NAME (if different)		CONTACT NAME		TELEPHONE Area 518 445-8100
PLANT ADDRESS (if different) Street		CITY	STATE	ZIP CODE

PRINCIPAL BUSINESS OF PLANT
Pharmaceutical Manufacturing

NOTE: (If parent company, give name and addresses of all divisions, subsidiaries, etc. located in New York State. A separate questionnaire is to be completed and submitted for each.)

PART II
Discharge Information

WATER

1. Does your plant discharge liquid wastes to a municipally owned sanitary sewer system?
Name of System Rensselaer County Sewer District #1 Yes No

2. Is your facility permitted to discharge liquid wastes under a State (SPDES) or Federal (NPDES) permit?
Permit Number 0087971 Yes No

3. Do you discharge liquid wastes in any other manner? Yes No
Explain _____

If any of the above are "Yes":

a. Do you discharge process or chemical wastes - (i.e. water used in manufacturing including direct contact cooling water and scrubber water)? Yes No

b. Do you discharge non-contact cooling water? Yes No

c. Do you discharge collected storm drainage only? Yes No

d. Do you discharge sanitary wastes only? Yes No

AIR

1. Does your facility have sources of possible emissions to the atmosphere? Yes No

2. Enter Location and Facility Code as shown on your Air Pollution Control Application for Permits and Certification (if applicable) 3324000158

LIQUID WASTES

1. List Name and Address of Firm (Including yourself) removing wastes other than office and cafeteria refuse.

Name	<u>Sterling Drug Inc.</u>			
Address	<u>33 Riverside Avenue</u>	City	<u>Rensselaer</u>	Zip Code <u>NY 12144</u>
Name	<u>Consolidated Fibres</u>			
Address	<u>Port of Albany</u>	City	<u>Albany</u>	State <u>NY</u> Zip Code

2. List Location(s) of Landfill(s) owned and used by your facility.

1 NONE

2 _____

Active Inactive

PESTICIDES

1. Does this facility:

Manufacture Pesticides or Pesticide Product Ingredients? Yes No

Produce Pesticides or Pesticide Product Ingredients? Yes No

Formulate Pesticides? Yes No

Repackage Pesticides? Yes No

2. EPA Establishment Number 00041-1-111

SOLID WASTE MANAGEMENT SURVEY
RIVERSIDE PLANT

4/7/78

DISPOSITION

APPROXIMATE ANNUAL QUANTITY
(tons/year)

III. Fabric Filter Waste 1
 Hold for review of waste criteria.
 Acceptable materials to Albany
 Landfill or wastewater system.
 Other materials to licensed
 chemical contractor.

XIV - and with large
 quantities of various
 chemicals
 starting 100 drums 3000
 SAF 20 drums 2000

credit PPH
 Services →

NOTE: Materials in any of the above categories, that are discharged to the wastewater pretreatment system, are not included in the quantities shown. Above quantities do not include large unanticipated product returns, rejects or other waste materials, that would be handled on an individual basis. Above information is preliminary and subject to change.