ITT

ITT Rayonier Inc.

Eastern Research Division
Whippany, N. J. 07981
(201) 887-2300

March 14, 1977

N.J. Dept. of Environmental Protection
32 E. Hanover St.
Trenton, N. J. 08625

Att: Ms Beatrice S. Tylutki

Gentlemen: Re: Industrial Waste Survey

Enclosed is the completed form, containing the information you requested in your letter of February 11, 1977.

Yours very truly,

G. C. Daul
Manager

rmh
Encl.

511762

2

State of New Jersey
Department of Environmental Protection
Solid Waste Administration
P.O. Box 2807
Trenton, New Jersey 08625

ID 25354 ✓

Industrial Waste Survey

Please Type or Print

Date 3/11/77

1. Name of Firm (or Establishment) ITT Rayonier Inc., Eastern Research Division

2. Mailing address S. Jefferson & Cedar Knolls Roads

3. City or Town Whippany County Morris Zip Code 07981

4. Location (if not as above) same

5. Telephone number: Area Code (201/609) 201-887-2300

6. Name and Title of person completing form W.J. Alexander, Group Leader, Analytical

7. Name and Title of chief executive of firm G. C. Daul, Manager

8. Industry type: Manufacturing ____ Storage/Break Bulk ____ Distribution ____ Other (Specify) Research Laboratory

9. S.I.C. Number (5 Digit) 2821 & 2823 10. Number of employees 90

11. Principal products ~~manufactured, stored~~, processed or ~~sold~~ wood cellulose processed on laboratory pilot plant scale to rayon and cellulose acetate

12. Does your operation produce industrial wastes* having any of the following properties and/or constituents: Flammable-chemical, Corrosive, Explosive, Carcinogenic, Infectious, Radioactive, Heavy Metals, Halogenated Hydrocarbons, Generates Pressure, Irritant, Sensitizer, Toxic, Mutagenic, Teratogenic, Special Handling Requirements.

Yes X No ____

If you answered Yes to Item 12, please complete the remainder of the form

If you answered No to Item 12, please return partially completed form.

*Any discarded materials resulting from industrial or commercial processes including all liquid, semi-liquid, or solid wastes and containers contaminated with process materials, but exclusive of non-process wastes, such as on-site cafeteria, office paper wastes, or NPDES discharges.

13. Current Industrial Waste Characteristics and Management Practices

Process (General)	Associated Waste	Estimated Quantities Tons/Yr	Cu Yds/Yr	Gal/Yr	Constituents of Waste Wet Basis: % Major Constituents (incl. water)	"Hazardous Constituents" ppm	Physical State 1-5	Waste Properties 6-18	Storage Prior to Disposal 19-25	Special Handling 26-30	Treatment Prior to Disposal 31-58	Frequency of Disposal 59-65	Disposal Point 66-67	Disposal Method 68-	Remarks
A. Rayon fiber by Viscose Process	1. Viscose			17,000	water 85% NaOH 6-8% Cellulose 7%	CS_2 as sodium trithio carbonate	2, 3	9	22, 20	27	None	61-62	67	71	
	2. Organic waste liquid			1,200	Sodium Trithio carbonate 2-3% water 99% detergent 1%		2	-	22, 20	27	None	61-62	67	71/75	
	3. Alkaline solution Sodium Zincate				Water > 95% NaOH 2-4% Sodium Zincate 1-2%		2	9	23	27	None	61-62	67	75	
	4. Caustic Solution with Hemi Cellulose →			60,000	Water > 96% NaOH < 5% Hemi Cellulose < 1%		2	9	23	27	None	61-62	67	75	
B. Cellulose Acetate by Acetic acid Process	1. Alkaline solution of sodium acetate				Water ~ 90% NaOH < 1% $NaC_2H_3O_2$ 2-4%		2	9	23	27	None	61-62	67	75	
	2. Acetic acid solution of cellulose acetate →			300	Water 50% Acetic acid 35% Cell. acetate 10% Methylene chloride 5% sulfuric acid 1%		2	9	22, 23	27	None	61-62	67	71	
C. Bench scale research	1. Organic solvents			500 to 1000	Acetone 60% methanol 20% tetrahydro furan 10% misc. 10%		2	11	21	27	None	61-62	67	71	
	2. Misc. Organic & inorganic chemicals	0.1-0.25			too diverse for classification	some halogenated	1, 2	9, 12	20, 21	26, 27	None	63-64	67	71, 75	
D. Laboratory operations	Dry - non-chemical waste		700				1	-	24		None	61-62	67	77	

Notes:
1. Please refer to insert (Key list and completed sample of the table) for guidance.
2. Please use the keys for guidance in completing Item No. 13. Use one or more key numbers, as appropriate, when completing each section of the table.

14. On-Site Disposal Facility (No on-site disposal) X

Landfill or land disposal ____ Incinerator ____ Other ____ (Specify) ____

Associated waste numbers, from Item 13 ____

Description of Facility ____

If on-site landfilling or land disposal has ever been used, indicate years of use (19____ to 19____).

15. Off-site Disposal Facility A, 1 B, 2 C, 1, 2 D, 1 A 2, 3, 4 B 1 (No off-site disposal) ____

Landfill or land disposal X Incinerator X Ocean X Other ____ (Specify) ____

Associated waste number, from Item 13 ____

Description of facility J. Filiberto Sanitation Inc, land disposal

Location: City or Town Parker Rd County Chester, N J Zip Code 07930

Incineration - Chemical Control Corp, 23 S. Front St., Elizabeth, NJ

Name of Hauler J. Filiberto

Address of Hauler same

Ocean Disposal - Hauler - Geordo, Inc. 29 South Road, Mendham, NJ 07945

Alternatives for ocean disposal Disposer - Modern Transportation Co., 75 Jacobus Ave. S. Kearney, N J 07032

If off-site disposal practices have been changed in the past 12 months, indicate names and addresses of previous hauler and disposal facility. Waste sent to Kim-buc Landfill prior to its closing

16. New Industrial Wastes

Do you expect to produce new types of waste during the next calendar year (as a result of water pollution or air pollution controls, plant expansion, change of product, process modification, etc.). Yes ____ No X

If yes, please indicate:

General process ____

Associated waste ____

Quantity ____ Units ____

Constituents of waste ____

Method of disposal ____

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