PLAINTIFF'S
EXHIBIT
CEL-814

UNITERM CO
32310

CELANESE
CHEMICAL COMPANY, INC.

CHEMICEL PLANT JG-154 Bi November 23, 1982

U. S. Environmental Protection Agency
P. O. Box 2070
Rockville, MD 20852

Dear Sir:

SUBJECT: Reporting Commercial and Industrial Uses of Asbestos

Enclosed is the above captioned questionnaire concerning the use of asbestos for the Celanese Engineering Resins Plant at Bishop, Texas.

If you have any questions or comments, please contact me at (512) 584-3511, extension 4450.

Very truly yours,

CELANESE CHEMICAL COMPANY, INC.

Jaime Garza

JG/bjw
Enclosure
bcc: Mr. R. G. Brandt - CER, Bishop
Mr. W. H. Meyer - CCC, Bishop
Mr. G. Ille
Mr. H. H. Flegenheimer - CER, Louisville
Mr. D. L. Unruh
Mr. C. D. Barrett - CCC, Dallas
Mr. S. A. Davis - CORP, New York
Mr. G. Rodenhausen
Central Files - CCCTC (2)

BISHOP CENTRAL FILES: 202.5

EPA United States Environmental Protection Agency

REPORTING COMMERCIAL AND INDUSTRIAL USES OF ASBESTOS

Where completed send this form to:

U.S. Environmental Protection Agency
P.O. Box 3070
Rockville, MD 20852

Please read the accompanying instruction booklet before completing this form. Note that a separate form must be submitted for each plant site, except that most imports of bulk asbestos may be reported in a consolidated corporate report. The instructions provide further directions.

When this form is complete, enclose it in the preaddressed envelope provided. Should you have any questions, please contact the Industry Assistance Office toll-free at (800) 424-9065 or in Washington, D.C. at (202) 554-1404.

All persons who are solely secondary processors, importers of asbestos mixtures, or importers of articles containing asbestos components and report to the first phase on EPA Form 7710-37, titled "Secondary Processing and Importation of Asbestos Mixtures." These persons will report on this form, EPA Form 7710-36, only upon request of agency to that effect from EPA (see 40 CFR 763, part G).

A(1). RESPONDENT IDENTIFICATION

1. Company name: Celanese Engineering Resins
   Plant site name: Chemical Plant
   Address (Number and street): P. O. Box 1962
   City: Bishop | County: Nueces | State: Texas | ZIP code: 78343
2. Principal technical contact person: Name: Jaime Garza | Job title: Sr. Envt. Engr. | Office telephone (Area code, number, extension): (512) 584-1511, ext. 4450
3. If applicable — Record dun identification number: ———
4. If applicable — Record the name and address of the parent corporation which is responsible for the fiscal management of the reporting site.
   Name of parent corporation: Celanese Engineering Resins
   Address (Number and street): 26 Main Street
   City: Chatham | County: Essex | State: New Jersey | ZIP code: 07928
5. Record the total number of years during which the manufacture and/or processing of asbestos has been conducted at the reporting site. ——— Number of years: 11 yrs.

A(2). RESPONDENT ACTIVITY

6. Identify your activity from the definitions in the instruction booklet and mark (X) the box next to the category below that best describes your activity/ies. Mark (X) most to all activities that you are reporting on this form. You must at least complete the portions of this report that are indicated must to the bad you mark, and you must complete other sections if you conduct that activity. For example, if at the same plant site you process bulk asbestos or produce an asbestos mixture and you also process an asbestos mixture that is made at another location, then you as a primary processor must also complete part G as a secondary processor.

   All persons who are miners, millers, primary processors, or importers of bulk asbestos must report their asbestos activities at all plant sites.

   Mark (X) your activity(ies) that is reported on this form.

- ☐ Mine and mill — Complete parts A, B(1), G, H, I, J, K (B(3), if applicable)
- ☑ Primary processor — Complete parts A, C, G, H, I, J, K (B(3), if applicable)
- ☐ Importer of bulk asbestos — Complete parts A, B(2) (B(3), if applicable)
- ☐ Secondary processor — Complete parts A, D, G, H, I, J, K
- ☐ Importer of asbestos mixtures — Complete parts A and E
- ☐ Importer of article(s) containing asbestos component(s) — Complete parts A and F

A(3). CERTIFICATION FOR CLAIMS OF CONFIDENTIALITY

You may claim as confidential any information you submit on this form. The instructions provide specific instructions on how to assert claims of confidentiality. For information which you submit in attachments to the form, provide a copy which clearly indicates the information you wish to claim confidential.

Space is provided at the end of each line to claim information on that line confidential.

For any information on this form you claim as confidential, you must certify that the information is confidential. The signature below will attest to the truth and accuracy of the following statements. All four statements must be true about any information you claim confidential.

1. My company has taken measures to protect the confidentiality of the information, and it will continue to take those measures.
2. The information is not, and has not been, reasonably obtainable by other persons (other than governmental bodies) by using legitimate means (other than discovery based on a showing of special need and in a judicial or quasi-judicial proceeding) without my company's consent.
3. The information is not publicly available.
4. Disclosure of the information claimed as confidential would cause substantial harm to my company's competitive position.

7. Signature of authorized official: R G Brandt — R. G. Brandt, Plant Manager — Date: 11-19-82

B(1). PRODUCTION OF BULK ASBESTOS N/A

QUANTITY OF BULK ASBESTOS MINED OR MILLED

Enter, in short tons, the amount of bulk asbestos you produced that is related for 1979 through 1981.

Year	Chrysotile	Crocidolite	Amosite	Anthophyllite asbestos	Tremolite asbestos	Actinolite asbestos	Mixed fiber
1979							
1980							
1981							

B(2). IMPORTATION OF BULK ASBESTOS N/A

QUANTITY OF BULK ASBESTOS IMPORTED

Enter, in short tons, the amount of bulk asbestos you imported for 1979 through 1981.

More than one? ☐ This is a consolidated corporate report. ☐ This is a plant site report.

Year	Chrysotile	Crocidolite	Amosite	Anthophyllite asbestos	Tremolite asbestos	Actinolite asbestos	Mixed fiber
1979							
1980							
1981							

B(3). EXPORTATION OF BULK ASBESTOS N/A

QUANTITY OF BULK ASBESTOS EXPORTED

Enter, in short tons, the amount of bulk asbestos you exported for 1979 through 1981.

More than one? ☐ This is a consolidated corporate report. ☐ This is a plant site report.

Year	Chrysotile	Crocidolite	Amosite	Anthophyllite asbestos	Tremolite asbestos	Actinolite asbestos	Mixed fiber
1979							
1980							
1981							

EPA Form 7710-36 10-13-82

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C. PRIMARY PROCESSOR PRODUCTION

Enter the following information for each type of end product that you shipped from your plant site. Classify your end products according to the list below.

End product shipped (Enter one end product per line) (10) Code number	Generic name	Type of asbestos fiber (Enter one per line) (20)	Year	Quantity of asbestos contained (Short tons) (30)	Product shipments: Total annual production (40) Quantity	Unit of measure	Value shipped (Thousands of dollars) (50) Domestic	Exports	Confidential (See 60)
31	Asbestos-reinforced plastics	Chrysotile ☒ Amosite ☐ Crocidolite ☐ Anthophyllite ☐ Tremolite ☐ Actinolite ☐	1979	112.0	7697000	Pounds	11,505		X
			1980	70.0	4980000	Pounds	8,150		X
			1981	101.0	6979000	Pounds	11,002		X
	☐ Continued	Chrysotile ☐ Amosite ☐ Crocidolite ☐ Anthophyllite ☐ Tremolite ☐ Actinolite ☐	1979						
			1980						
			1981						
	☐ Continued	Chrysotile ☐ Amosite ☐ Crocidolite ☐ Anthophyllite ☐ Tremolite ☐ Actinolite ☐	1979						
			1980						
			1981						

(60) Estimate the percentage of the total value shipped from the plant site reported here as primary processor production in 1981 — 7.2 %

Asbestos Mixture Product Subcategories

Product, form, or mineral constituent	Unit of measure	Asbestos-cement products	Unit of measure	Textiles	Unit of measure
01. Corrugated paper	Short tons	14. A/C pipe and fittings	Short tons	25. Cloth	Pounds
02. Flatboard	Short tons	16. A/C sheet, flat	1000 sq. ft.	26. Thread, yarn, tape, roving, cord, rope, or cloth	Pounds
03. Millboard	Short tons	16. A/C sheet, corrugated	1000 sq. ft.		
04. Pipeline wrap	Short tons	17. A/C shingle	Squares	Other products	
05. Roofing and flooring felt	Short tons	Friction materials		27. Sheet packing (other than rubber-clad)	Sq. yards
06. Asbestos cement roofing felt	Short tons	18. Brake linings (dry, flight-mixture molded)	Pieces	28. Packing	Pounds
07. Uncoated roofing felt	Short tons	19. Brake linings (dry, flight-mixture molded)	Pieces	29. Packing and gaskets	Gallons
08. Asbestos roofing felt	Short tons	20. Brake blocks (dry, flight-mixture molded)	Pieces	30. Asbestos-reinforced plastics	Pounds
09. Saturated felt	Short tons	21. Brake linings (rubber-asbestos)	Pieces	31. Asbestos cement products	Gallons
10. Coated paper	Short tons	22. Brake shoes (friction assemblies)	Pieces	32. Insulation board (all other asbestos-containing)	Pounds
11. Specialty paper (specify generic name)	Short tons	23. Clutch facings (all)	Pieces	33. Millboard, paper, and felt (all asbestos-containing)	Pounds
		24. Automotive transmission friction components	Pieces	34. Mixed or miscellaneous asbestos fiber	Short tons
Fiber cement pipe		24. Friction materials (industrial and commercial)	Pieces	35. Other (specify generic name)	Pounds
12. Vinyl-asbestos floor tile	Square yards				
13. Asbestos-felt-backed vinyl flooring	Square yards				

D. SECONDARY PROCESSOR PRODUCTION N/A

Enter the following information for each type of end product that you shipped from your plant site. Classify end products and asbestos mixtures consumed according to the lists on this form.

End product shipped (Enter one end product per line) (11) Code number	Generic name	Total annual production (20) Year	Quantity	Unit of measure	Asbestos mixture consumed and form (Enter one mixture per line) (30) Code number	Generic name — Form	Function of asbestos in product (40)	Year	Annual consumption of asbestos mixtures (50) Quantity	Unit of measure	Delivered cost (Thousands of dollars)	Confidential (See 60)
		1979						1979				
		1980						1980				
		1981						1981				
	☐ Continued	1979						1979				
		1980						1980				
		1981						1981				
	☐ Continued	1979						1979				
		1980						1980				
		1981						1981				

(60) Estimate the percentage of the total value shipped from the plant site reported here as secondary processor production in 1981 — %

Typical forms for products made from asbestos mixtures

Automotive and friction products
101. Drum brake lining (light-mixture molded)
102. Disc brake pads (light-mixture molded)
103. Disc brake pads (heavy-mixture)
104. Drum brake shoes (any mixture)
105. Clutch facings (all)
106. Automotive transmission friction components
107. Friction materials, including sets (commercial)
108. Friction materials (any form)
109. Transmissions
110. Muffling
111. Radiator hose materials
112. Radiator mastic
113. Other (specify generic name)

Appliances
114. Appliance, insulation and gasketing (specify generic name)

Construction products
115. Sheet and felted roofing
116. Cementitious building panels
117. A/C sheet
118. Flooring or underlayment
119. Paints and coatings
120. Patching compounds (taping)
121. Roofing, unspecified
122. Roof coatings
123. Wallboard
124. Waterproofing cement
125. Other (specify generic name)

Clothing
126. Aprons
127. Gloves
128. Gloves and mittens
129. Hats and helmets
130. Shoepacks
131. Suits
132. Other (specify generic name)

Floor coverings
133. Vinyl-asbestos floor tile
134. Asbestos-felt-backed sheet vinyl flooring

Electrical products and components
135. Cable components
136. Electronic mixed components
137. Electric insulation components
138. Electrical components
139. Electrical switch components
140. Electrical wire insulation
141. Motor armature
142. Other (specify generic name)

Fire and heat shielding equipment and components
143. A/C components
144. Fire curtains
145. Fireproof equipment cases
146. Fire shields
147. Furnace mixture handling equipment
148. Oven and stove insulation
149. Pipe wraps
150. Rope, sheet, wicks and mat
151. Stove rope rings
152. Thermal insulation
153. Other (specify generic name)

Gaskets
154. Sheet gaskets, rubber compounded (solid materials)
155. Sheet gaskets, rubber compounded (compressed)
156. Commercial sheet gasketing (grade)
157. Metal-cushioned gaskets
158. Automotive gaskets
159. Other (specify generic name)

Marine equipment and supplies
160. Cloths, marine
161. Liners, gland or stem
162. Marine cloth/duck
163. Other (specify generic name)

Paints, coatings, sealants, and compounds
164. Asbestos components
165. Asbestos/synthetic fiber mixtures
166. Caulking and sealing compounds
167. Coating and sealing components
168. Sealing dust
169. Sealing compounds
170. Sealing cement
171. Sealing components
172. Sealing compounds
173. Plaster and mastic
174. Putty, rubber, fillings, and cure sealing components
175. Roof sealings
176. Tar sand mixtures
177. Tile cement
178. Other (specify generic name)

Textile and felt products
179. Asbestos cloth
180. Fiber or cleaning
181. Yarn, felt, or roving
182. Wicks
183. Rope
184. Belting
185. Packing
186. Cement backing
187. Cement-asbestos-clad fabric
188. Crocidolite
189. Fire cloths
190. Other (specify generic name)

Textile and felt products — Cont.
191. Heavy-lined cloth and blankets
192. Plastics, latex or cement mixed
193. Packing and sealing components
194. Pads and edge fabs
195. Rope
196. Yarn
197. Thread (cotton)
198. Corrugated
199. Other (specify generic name)

Miscellaneous products
200. Aerial electric device
201. Automotive products
202. Automotive mastics
203. Asbestos-cement-type plastic products
204. Add items
205. Baking tile
206. Blankets
207. Cardboards
208. Chemical lab. ware and vessels
209. Fibers
210. Grommets
211. Gun wool
212. Jewelry making ore vessels
213. Mitts
214. Lining material
215. Paper tubes and board
216. Linings for vessels, valves, fittings, and like materials
217. Pharmacy vessels
218. Pottery ware
219. Welding and electrical
220. Other (specify generic name)

E. IMPORTATION OF ASBESTOS MIXTURES N/A

Enter the following information for each type of asbestos mixture that you imported in 1981. Classify your imports according to the lists in sections C or D.

Asbestos mixture (Enter one mixture per line) (10) Code number	Generic name	Asbestos fiber content of mixture (31) Type of asbestos	Quantity (Fiber content)	Year	Total annual imports (20) Quantity	Unit of measure	Value of imports (U.S. dollars)	Confidential (See 60)
		Chrysotile ☐ Amosite ☐ Crocidolite ☐ Anthophyllite ☐ Tremolite ☐ Actinolite ☐	☐ Unknown	1979				
				1980				
				1981				
	☐ Continued	Chrysotile ☐ Amosite ☐ Crocidolite ☐ Anthophyllite ☐ Tremolite ☐ Actinolite ☐	☐ Unknown	1979				
				1980				
				1981				
	☐ Continued	Chrysotile ☐ Amosite ☐ Crocidolite ☐ Anthophyllite ☐ Tremolite ☐ Actinolite ☐	☐ Unknown	1979				
				1980				
				1981				

EPA Form 7710-52 (4-11-83)

009402

U.S. ENVIRONMENTAL PROTECTION AGENCY

REPORT OF COMMERCIAL AND INDUSTRIAL USES OF ASBESTOS
Continued

COMPANY NAME AND ADDRESS
(Same as reported in item 1 on page 1)

Calamese Engineering Resins
P. O. Box 1962
Bishop, Texas 78343

F. IMPORTATION OF ARTICLE(S) CONTAINING ASBESTOS COMPONENTS N/A

Enter the following information for each article that you imported in 1981. Classify your imports according to the lists in section C or D.

Article name (Enter one article per line) (1)		Total annual imports (2)				Asbestos component(s) (Also one line per component) (3)	Confidential Mark (4)
Code number	Generic name	Year	Quantity	Unit of measure	Value (U.S. dollars)		
		1979					
		1980					
		1981					
		1979					
		1980					
		1981					
		1979					
		1980					
		1981					

G. EMPLOYEES

Record the number of employees at the reporting site in each of the categories below. Count each employee in one category only.

	Number of employees	Confidential Mark (4)
(1) TOTAL number of employees at plant site (Sum of 2, 3, 4, and 5)	415	
(2) Number of production employees	34	
(3) Number of employees in shipping, receiving, and moving	9	
(4) Number of maintenance employees	44	
(5) Number of other employees	328	

H. SUMMARY OF CURRENT WORKER EXPOSURES

This section requires you to report, by category of production workers, the arithmetic mean of the 8-hour time weighted average (TWA) and ceiling concentration exposure levels for all employees at the reporting site. Report for all employees for whom you have determined a TWA and according to each production line making the reported products. The instructions include a worksheet for making necessary calculations (see Appendix B).

End product (Enter name) (1)		Respondent activity (2)	Production work category (3)	Number of employees (4)	8 hr. time weighted average: Arithmetic mean of detectable measurements (5)	Standard deviation (6)	Total number of measurements (filters) (7)	Number of non-detectable measurements (8)	Ceiling concentration level (Range) (9)	Confidential Mark (4)
Code number	Generic name									
	Not applicable	Miners and millers	Mine operations (includes all employees working in mine, including transportation)							
			Mill operations (includes all employees working in production areas of mill)							
31	Asbestos-reinforced Plastics	Primary processors	Fiber introduction operations (includes blending, mixing, bag opening, fluffing, unloading, etc.)	34	0.096	0.13	88	—	.01-0.77	
		Primary processors and secondary processors	Wet mechanical operations (includes machining, sawing, drilling, cutting, grinding, pulverizing, weaving, etc.)	N/A						
			Dry mechanical operations (includes machining, sawing, drilling, cutting, grinding, pulverizing, weaving, etc.)	N/A						
			Other production employees	48	See note attached to this report.					
		Primary processors	Fiber introduction operations (includes blending, mixing, bag opening, fluffing, unloading, etc.)							
		Primary processors and secondary processors	Wet mechanical operations (includes machining, sawing, drilling, cutting, grinding, pulverizing, weaving, etc.)							
			Dry mechanical operations (includes machining, sawing, drilling, cutting, grinding, pulverizing, weaving, etc.)							
			Other production employees							
		Primary processors	Fiber introduction operations (includes blending, mixing, bag opening, fluffing, unloading, etc.)							
		Primary processors and secondary processors	Wet mechanical operations (includes machining, sawing, drilling, cutting, grinding, pulverizing, weaving, etc.)							
			Dry mechanical operations (includes machining, sawing, drilling, cutting, grinding, pulverizing, weaving, etc.)							
			Other production employees							

(10) Sampling and analysis methods

☒ Mark this box if you use the NIOSH method to sample airborne concentrations of asbestos fibers in the workplace and analyze measurements (DHEW (NIOSH) Pub. No. 79-127).

If you utilize other sampling and analysis methods, enter the appropriate codes for these methods listed in the instruction booklet under part I.

(11) Enter the lowest detectable level of the measurements that your company expects to attain by the sampling and analysis methods. (Measurements below this level should be considered as "nondetectable," for the purposes of this rule.)
Sample Values <0.01 F/CC are considered as Non-Detectable — 0.01 F/CC

I. MEASURING ASBESTOS EMISSIONS OR FIBER RELEASE

NPDES Permit number TXD0006025 — Date: Permit Received on Nov., 1974

☐ Yes, enclosed is a separate report for this section concerning measuring asbestos emissions. ☒ No separate report

EPA Form 7710-50 (6-12-83)

009403

J. WASTE AND DISPOSAL

Enter the following information for each end product you report in section B(1), C, and D. If you cannot provide information by end product, provide information according to the form of waste (column 2).

End product (1) Code number	End product (1) Generic name	Form of waste (sludge, slurry, brake or scrap, baghouse fines, or specify other) (2)	Total annual quantity of asbestos waste (Short tons) (3)	Average percent asbestos (4)	Disposal site (5) Type of land disposal facility (See instructions) (a)	Location (b)	Ownership (c)	Permitted hazardous waste facility? (d)	Method of disposal (6)	Confidential Mark (a)
31	Asbestos-Reinforced Plastics ☐ End product report ☒ Form of waste report	See explanation below.	350	3.0 %	☐ Surface impoundment ☐ Waste pile ☐ Land treatment ☒ Land fill ☐ Sewage facility ☐ Injection well	☒ On-site ☐ Off-site	☒ Company ☐ Private ☐ Municipal	☒ Yes ☐ No	Loose asbestos material is packed in lined fiber drums. These are sealed, labeled and landfilled.	x
	☐ End product report ☐ Form of waste report			%	☐ Surface impoundment ☐ Waste pile ☐ Land treatment ☐ Land fill ☐ Sewage facility ☐ Injection well	☐ On-site ☐ Off-site	☐ Company ☐ Private ☐ Municipal	☐ Yes ☐ No		
	☐ End product report ☐ Form of waste report			%	☐ Surface impoundment ☐ Waste pile ☐ Land treatment ☐ Land fill ☐ Sewage facility ☐ Injection well	☐ On-site ☐ Off-site	☐ Company ☐ Private ☐ Municipal	☐ Yes ☐ No		

(7) You may describe in a separate enclosure any steps you take to ensure that waste does not release airborne fibers.

☒ Yes, enclosed is a separate description of waste disposal precautions. ☐ No separate report

K. POLLUTION CONTROL EQUIPMENT

On separate lines enter information about each piece of air pollution control equipment used to control asbestos emissions at your plant site. ☐ Confidential

Item number (1)	Type of equipment (See code) (2)	ACFM Gas stream volume and temperature °F (3)	Equipment size (Baghouse and ESP area) (4)	Estimated collection efficiency (Percent) (5)	Normal operating schedule (Hrs./year) (6)	Quantity collected annually (Pounds) (7)	Source of emissions (8)	Stack or chimney? (9)	Special problems? (10)
1	(BH) (RA)	Volume 7500 Temperature 60-90	Square feet 4092 ☐ Hrs.	99.94% ☒ Designed ☐ Actual	Hrs./yr. 3100	Pounds 2200 ☐ Designed ☐ Actual	Asbestos dump chamber, blender, belt feeder, etc.	☒ Yes ☐ No	
2	(BH) (RA)	Volume 11750 Temperature 60-90	Square feet 3696 ☐ Hrs.	99.9 % ☒ Designed ☐ Actual	Hrs./yr. 3100	Pounds 900 ☐ Designed ☐ Actual	Asbestos dump chamber, blender, belt feeder, etc.	☒ Yes ☐ No	
3	(C)	Volume 36200 Temperature 250	Square feet ☒ Hrs.	95.0% ☒ Designed ☐ Actual	Hrs./yr. 3100	Pounds [illegible] ☐ Designed ☐ Actual	Fluid Bed Dryer Vent	☒ Yes ☐ No	
		Volume Temperature	Square feet ☐ Hrs.	% ☐ Designed ☐ Actual	Hrs./yr.	Pounds ☐ Designed ☐ Actual		☐ Yes ☐ No	
		Volume Temperature	Square feet ☐ Hrs.	% ☐ Designed ☐ Actual	Hrs./yr.	Pounds ☐ Designed ☐ Actual		☐ Yes ☐ No	
		Volume Temperature	Square feet ☐ Hrs.	% ☐ Designed ☐ Actual	Hrs./yr.	Pounds ☐ Designed ☐ Actual		☐ Yes ☐ No	

(11) Estimate the percent of plant exhaust air that is treated by the equipment listed above ——— %

Continuation of item answers

H. SUMMARY OF CURRENT WORKER EXPOSURES

(3) Other production employees — 48

These workers are contract employees who do not work for Celanese Engineering Resins directly. They are employed by Arthur Brothers Inc. Their main job function is to bag/package the asbestos-reinforced plastic pellets into 50 lbs. bags. They also move the packaged material in and out of the storage warehouse and into carriers (railcars and trucks) for product transportation. The asbestos-reinforced plastic pellets contains encapsulated asbestos. There is no handling of raw asbestos in the fiberous form at the bagging station. Therefore, there is no reason to believe that there is any asbestos exposure to these contract employees.

Note: These contract employees were not included in section G of this report.

H. (5-9)

Due to the type of processing at the plant site, employees are normally not exposed to asbestos for prolonged periods of time (8 hrs.). On the average, employees handling the fiber introduction operation is exposed to no more than one hr. on a daily basis. Therefore, we have very limited data for 8 hrs. TWA's (5 measurements during 1979-81).

Many measurements have been taken on employees during the fiber introduction operation, however, these have been for peak exposure and short term exposure levels (STEL's). The data presented in columns 5-9 are calculated 8 hr. TWA's using the peak and STEL's measurements and applying the following equation:

$$\frac{1\ (\text{Peak/or STEL}) + 7\ (0.01)}{8} = 1\ (\text{one})\ 8\ \text{hr. TWA}$$

009404

Continuation of item answers.

J. WASTE AND DISPOSAL
(2)
Loose asbestos material such as baghouse fines, scrap plastic material and pellets containing encapsulated asbestos.

J. (7)
All loose asbestos material (ie. baghouse fines, asbestos bags with residual asbestos fines in them, etc.) is placed in plastic bag lined fiber drums. These drums are sealed, labeled and landfilled in the plant's on-site landfill. These drums are covered every 24 hrs. with at least 6 inches of dirt cap. Any drum breakage occurring during transfers from the operation area to the landfill area is covered immediately to prevent airborne particulates. Scrap plastic material (pellets and bulky plastic chunks) containing encapsulated asbestos is deposited in the landfill directly.

K. POLLUTION CONTROL EQUIPMENT
(6) Normal operating schedule (Hrs./yr.)
3100 Hrs./yr.

This is the normal operating schedule for the production of asbestos-reinforced plastics only. The total scheduled unit on-stream time is about 6000 Hrs./yr.

K. POLLUTION CONTROL EQUIPMENT
(7) Quantity collected annually (pounds)

The figure shown is an estimated quantity. This estimate is based on the time during which asbestos-reinforced plastics is being processed.