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NATIONAL AIR POLLUTION CONTROL ADMINISTRATION
CONSUMER PROTECTION AND ENVIRONMENTAL HEALTH SERVICE, PUBLIC HEALTH SERVICE
U. S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE

FORM APPROVED
Budget Bureau
No. 85-R31

AIR CONTAMINANT EMISSIONS SURVEY

Information is to be representative of Calendar Year 1968

First name: The Firestone Tire & Rubber Co.
Person to contact regarding this report: W. W. Madden Title: Coordinator-Special Projects Phone: 215-326-2000
Mailing address: Box 699
Plant address: Pottstown, Pa. 19464
Nature of business: (Products) Tires, Vinyl Resins, Synthetic Latex
Employees at plant location: Less than 100 _____, 100 or more X.

SECTION I - FUEL USE FOR GENERATION OF HEAT, STEAM, AND POWER

Normal operating schedule: 24 Hours per day 5-7 Days per week 52 Weeks per year
Seasonal and/or peak operation period: (specify) No great variations - except for space heat
Estimate of percent of total fuel consumed to provide space heat: 13.55%

A	B	C	D	E	F	G	H	I	J	K	L
			Fuel data[d]					Air cleaning equipment		Estimate of contaminants[m]	
Sources or No. of boilers[a]	Size of unit (input)[b], ~~XXXXXXX~~*	Type[c]	Type[e]	Amount[f] ** per year	Heat content[g], Btu	Percent sulfur[h]	Percent ash (coal only)[g,h]	Type[i]	Efficiency[j], %	Type[k]	Quantity[l]
1	60	Steam	oil #6	3,395,934	18,500	1-2% 1.5 av				SO_x	
3	100	Atomizing	oil #6	Gal -both*	18,500	1-2% 1.5 av.				SO_x	
		Pulverized	Coal-~~Bit~~ B.C.	28,608 ton	13,000	1-2% 1.5 av.	10-12%	Cyclone	Rated	FA	
									85%	SO_x	
			*Pulverized	*8.099#/G							
	* 000# steam/hr.			** add figures for total 1968 consumption							

[a] Multiple sources may be grouped if units burn the same fuel and are similar in size and type.
[b] Nameplate data are sufficient.
[c] Hand-fired; underfeed, traveling-grate or spreader stoker, cyclone furnace; pulverized, wet or dry bottom with or without fly ash reinjection; rotary or gun-type oil burner; etc.
[d] Fuel data are to be reported on an "as burned basis."
[e] Coke, bituminous coal, anthracite coal, No. 1, 2, 4, 5 or 6 fuel oil, natural gas, LPG; refinery or coke oven gas, wood, etc.
[f] Solid fuel, tons; liquid fuel, gallons; gaseous fuel, 100 cubic feet.
[g] If unknown, please give name and address of fuel supplier.
[h] Sulfur and ash content for each fuel should be a weighted average.
[i] Cyclone, scrubber, electrostatic precipitator, baghouse, settling chamber, etc.
[j] Please state if efficiency is a rated or operating efficiency.
[k] Fly ash, sulfur oxides, etc.
[l] Pounds or tons per year.
[m] Give stack test data if available on these contaminants.

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SECTION II - REFUSE DISPOSAL

Refuse disposed of X On site ____ Off site - Location of disposal site and/or name of hauler: ____
Normal on-site combustion operating schedule ____ Hours per day ____ Days per week ____ Weeks per year
Seasonal and/or peak operation period: (Specify) Year around operation

A	B	C	D	E	F	G	H
Waste material						Estimate of contaminants[h]	
Type[a]	Amount per year[b] Tons	Method of disposal (See code below)	Incinerator capacity, lb/hr	Auxiliary fuel used[c]	Type and efficiency, air cleaning equipment[d,e]	Type[f]	Quantity per year[g]
Wood	520	450 tons[1] 70 tons[2]*				Crates, pallets, etc.	
Paper	250	2					
Garbage	600	2					
Rubber	300	2					
Plastics-Vinyl	200	2					
Softener waste	500	2					
Resin Lagoons	17,000	2					
Oils	68	2					
Fly Ash	1,214						

[a] Rubbish, garbage, mixed garbage and rubbish, waste paper, wood chips or sawdust, etc.
[b] Tons, pounds or gallons/year.
[c] Indicate whether auxiliary fuel is used in incinerators and pit burning, and the amount.
[d] Wetted baffles, impingement scrubbers, afterburners, electrostatic precipitator, baghouse, etc.
[e] Please state efficiency is a rated or operating efficiency.
[f] Solids and/or gases (include chemical description of gases).
[g] Pounds or tons per year.
[h] Give stack test data if available, or otherwise specify basis used.

Method of Disposal Code:

1. Open-burning dump.
2. Sanitary landfill. (no burning)
3. Burned in boiler or furnace.
4. Incinerator, single chamber (one totally enclosed refractory-lined chamber in which both primary and secondary combustion take place.
5. Incinerator, multiple chamber (two or more refractory-lined chambers interconnected by gas passage ports or ducts and designed to provide complete combustion of materials.
6. Incinerator, rotary.
7. Conical metal burner.
8. Other (Specify)

*stopped open burning in early Fall. Quantities are based on full year of open burning.

NOTE: PLEASE READ REVERSE SIDE OF THIS FORM.
USE ADDITIONAL SHEETS IF NECESSARY.

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SECTION III - PROCESS EMISSIONS

Normal operating schedule: 24 Hours per day 5-7 Days per week 52 Weeks per year.
Seasonal and/or peak operation period: No great variation
Note: For intermittent operations, indicate approximate frequency and duration so that estimates of yearly emissions may be obtained.

A	B	C	D	E *	F	G	H
Processes or operations releasing contaminants to atmosphere[a,b]	Materials processed and/or used at operations		Quantity of gas discharged from process or operation	Type and efficiency air cleaning equipment[e,f]	Estimate of contaminants		Basis of estimate[h] (Please specify basis)
	Type[c]	Quantity per year[d]			Type[g]	Quantity per year[d] tons	
Tire Manufacture		8 mil./year		See lists for	Carbon Bl	--	
Vinyl Resin Production		120 mil. #/yr.		particulates	Resin	--	
Vinyl Sheet Forming		18 mil. #/yr.			Resin	--	
Syn. Latex		10 mil. #/yr.			-	--	
Vinyl Chloride Monomer					Org. Vapor	1250	Mt'l Bal.
Vinyl Acetate					Org. Vapor	68	Mt'l Bal.
Styrene					Org. Vapor	38	Mt'l Bal.
Butadiene					Org. Vapor	33	Mt'l Bal.
TCE						477	Mt'l Bal.
Vinyl Pyridine						0.078	Mt'l Bal.

[a] Multiple sources may be grouped if units are similar in size and type.
[b] Sulfuric acid - chamber, aluminum smelting-crucible furnace, iron melting-cupola, cement manufacture - dry process, solvent cleaning, or other (please specify).
[c] Acid produced, tons; metal charged or processed, tons, cement produced, bbl.; solvent consumed, gallons; etc. per year. Specific quantities per year are not required if complete emission rate quantities are given in columns F and G.
[d] Pounds, tons, or gallons per year.
[e] Baghouse, electrostatic precipitator, cyclone, settling chamber, wet scrubber, etc.
[f] Please state if efficiency is a rated or operating efficiency.
[g] Dust, fume, gas, etc. emitted: iron oxide, mineral or rock dust, trichlorethylene, formaldehyde, sulfur dioxide, etc.
[h] Process material balance studies, field tests by plant or by equipment manufacturers, or other basis.

Please send me all calculations, estimations or additions to these charts.

Any supplemental material or data considered pertinent (reports, summaries, test results, maps, flow diagrams) may be submitted with this form.

*Attached in duplicate

Date 5/20/69

Name and title of official submitting report: W. W. Madden, Coordinator, Special Projects

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