

5.2 OVERVIEW OF PROCESSES

The following tabulation of producers of vinyl chloride monomer indicates published production capacity and vinyl chloride emissions by process and location.

(Table 5.2.1 through 5.2.3)

Table 5.2.1 MONOMER PLANT EMISSION DATA

Company	Location	City Population	Production Capacity	Emissions	Type
			kgx10 ⁶ /yr	kgx10 ⁶ /yr	
Allied Chemical	Baton Rouge, La.	165,963 ^a	136	0.4	B d
American Chem.	Long Beach, Ca.	358,633 ^a	77	0.2	B
Continental Oil	Lake Charles, La.	77,998	273	0.8	B
Dow Chemical	Freeport, Tex.	11,997 ^f	82	0.2	DC
"	Plaquemine, La.	7,739 ^e	155	0.5	DC
"	Oyster Creek, Tex.		364	1.1	B
Ethyl Corp.	Baton Rouge, La.	165,963 ^a	123	0.4	B
"	Pasadena, Tex.	89,277 ^h	68	0.2	DC ⁱ
S.F. Goodrich	Calvert City, Ky.	31,627 ^j	455	1.4	B
Monochem, Inc.	Grismar, La.	7,739	136	0.4	A ^k
P.F.C. Industries	Lake Charles, La.	77,998	136	0.4	B
"	Guayanilla, P.R.	---	261	0.8	-
Shell Chemical	Deer Park, Tex.	12,773 ^h	398	1.2	B
"	Narco, La.	---	318	0.9	B
Tenneco Chem.	Pasadena, Tex.	89,277 ^h	114	0.4	A
TOTALS		1,096,984	3096	9.3	

(a) 1970 Census data

(b) Extrapolated figures based on estimated atmospheric emission loss of 0.3 per cent of VCM produced in monomer plants

(c) Baton Rouge Parish (County) - 302,031

(DC)

(d) Balanced (B) - combination of direct chlorination and oxychlorination process in which the hydrogen chloride produced in cracking is recycled to the oxychlorination process.

(e) Los Angeles County - 7,032,075

(f) Brazoria County - 106,312

(g) Plaquemine Parish (County) - 25,525

(h) Harris County - 1,743,912

(i) Direct Chlorination (DC)

(j) Population given is for Calvert City, Ky.

(k) Acetylene (A)

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