

7/24/79

SECTION 31 - RESTRICTION OF EMISSION OF SULFUR FROM PRIMARY NON-FERROUS SMELTERS

- 31.1 Persons shall not cause, suffer, allow, or permit the emission of sulfur from any stack or chimney into the outdoor atmosphere in excess of the allowable emission shown in the table below.
- 31.2 The maximum allowable weight discharged per hour will be determined by use of the following equations:
- 31.2.1 Copper smelters $Y = 0.1 X$
- 31.2.2 Zinc smelters $Y = 0.282 X^{0.85}$
- 31.2.3 Lead smelters $Y = 0.49 X^{0.77}$
- Y = Allowable sulfur emission, lb./hr.
X = Total feed sulfur, lb./hr.

31.3 For the purposes hereof, total feed sulfur shall be calculated as the aggregate sulfur content of all fuels and other feed materials whose products of combustion and gaseous by-products are emitted to the atmosphere. When furnaces, sinter machines, sinter boxes, roasters, converters or other similar devices for converting ores, concentrates, residues or slag to the metal or the oxide of the metal either wholly or in part, are released to the atmosphere the combined sulfur input of all units shall be used to determine the allowable emission to the atmosphere.

TABLE 31-1

<u>Total Feed Sulfur</u> <u>lb/hr</u>	<u>Allowable Sulfur Emissions-Lb/Hr.</u>		
	<u>Cu.</u>	<u>Zn.</u>	<u>Pb.</u>
1,000	100	100	100
5,000	500	394	348
10,000	1,000	704	593
20,000	2,000	1,270	1,000
40,000	4,000	2,310	1,000
60,000	6,000	3,210	1,000
80,000	8,000	4,120	1,000
100,000	10,000	5,000	1,000