

VII. EMISSION REGULATIONS FOR CERTAIN ELECTRIC GENERATING STATIONS OWNED AND OPERATED BY THE PUBLIC SERVICE COMPANY OF COLORADO

A. The electric generating stations owned and operated by the Public Service Company of Colorado listed below shall not emit or cause to be emitted nitrogen oxides (NO_x) or sulfur dioxide (SO₂) in excess of the following limits. The emission rates for NO_x and SO₂ are measure in terms of pounds of pollutant per million British Thermal Units of fuel fired in the unit (lb/mmBTU).

1. Cherokee Electric Generating Station, 6198 North Franklin Street, Denver, CO

a. NO_x and SO₂ limits:

	NO _x (lb/mmBTU)	SO ₂ (lb/mmBTU)
Unit 1	-	1.1
Unit 2	-	1.1
Unit 3	0.60	1.1
Unit 4	0.45	1.1

- The NO_x limit will be calculated based on a 30-day rolling average, and is effective November 1, 1994.

- The SO₂ limit will be calculated as a three-hour rolling average, and is effective November 1, 1994.

- Public Service Company of Colorado shall install, certify and operate continuous emission monitoring equipment in accordance with 40 CFR Part 60.13, for measuring opacity, SO₂, NO_x, and either O₂ or CO₂ on Units 1, 2, 3 and 4 no later than January 1, 1995.

b. Effective January 1, 2005, the NO_x limit for Unit 1 shall be 0.60 lb/mm BTU, provided EPA approves the designation of the Denver area as a PM-10 attainment/maintenance area. Such limit shall be calculated based on a 30-day rolling average.

c. Upon EPA approval of the designation of the Denver area as a PM-10 attainment/maintenance area, the SO₂ emission rate from units 1 and 4 shall not exceed 0.88 lb/mm BTU, calculated separately for each unit, based on a 30-day rolling average.

Such emission limit shall apply seasonally from November 1 through March 1. The additional SO₂ limit set out in this subsection VII.A.1.c shall not apply unless EPA repeals the incorporation of SO₂ permit limits into the SIP at 40 CFR 52.320(c)(82)(i)(E).

2. Arapahoe Electric Generating Station, 2601 South Platte River Drive, Denver, CO

a. NO_x and SO₂ limits:

	NO _x (lb/mmBTU)	SO ₂ (lb/mmBTU)
Unit 1	-	1.1
Unit 2	-	1.1
Unit 3	-	1.1
Unit 4	0.60	1.1 +20% annual tonnage reduction

- The NO_x limit will be calculated based on a 30-day rolling average, and is effective November 1, 1994.

- The SO₂ limit will be calculated as a three-hour rolling average, and is effective January 1, 1995.

- The 20% SO₂ limit from Unit 4 shall be calculated on a calendar year, total annual tonnage basis. Public Service Company of Colorado shall install, certify and operate continuous emission monitoring equipment in accordance with CFR Part 60.13, for measuring opacity, SO₂, NO_x, and either O₂ or CO₂ on Units 1, 2, 3 and 4.

b. Upon EPA approval of the designation of the Denver area as a PM-10 attainment/maintenance area, the SO₂ emission rate from unit 4 shall not exceed 0.88 lb/mm BTU, calculated on a 30-day rolling average. Such emission limit shall apply seasonally from November 1 through March 1.

c. Retirement of units 1 and 2:

i. Units 1 and 2 shall be permanently retired by January 1, 2003. This section VII.A.2.c shall become effective upon EPA approval

of the designation of the Denver area as a PM-10 attainment/maintenance area.

ii. This section VII.A.2.c shall not be construed to prevent the construction or operation of a new source on the site of such units, provided any such new source complies with all laws and regulations applicable to new sources.

3. Valmont Electric Generating Station, 1800 North 63rd Street, Boulder, CO

	NO _x (lb/mmBTU)	SO ₂ (lb/mmBTU)
Unit 5	0.45	1.1

- The NO_x limit will be calculated based on a 30-day rolling average, and is effective November 1, 1994.

- The SO₂ limit will be calculated as a three-hour rolling average, and is effective November 1, 1994.

- Public Service Company of Colorado shall install, certify and operate continuous emission monitoring equipment in accordance with 40 CFR Part 60.13, for measuring opacity, SO₂, NO_x, and either O₂ or CO₂ on Unit 5.