

COLORADO DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT
AIR POLLUTION CONTROL DIVISION
TELEPHONE: (303) 692-3150



CONSTRUCTION PERMIT

PERMIT NO: 99DG0880

DATE ISSUED: JULY 31, 2003

ISSUED TO: MCI WorldCom

FINAL APPROVAL
MODIFICATION - 1

THE SOURCE TO WHICH THIS PERMIT APPLIES IS DESCRIBED AND LOCATED AS FOLLOWS:

Telecommunication network hub, known as **MCI WorldCom Network Information Center**, located at 335 Inverness Drive South, Englewood, Douglas County, Colorado.

THE SPECIFIC EQUIPMENT OR ACTIVITY SUBJECT TO THIS PERMIT INCLUDES THE FOLLOWING:

AIRS PT ID	DESCRIPTION
001A	CUMMINS-ONAN, MODEL: QSK60-G6, S/N: C0000750 29, GENERATOR ENGINE, 2,922 HP, ENGINE 1A.
001B	CUMMINS-ONAN, MODEL: QSK60-G6, S/N: C0000750 31, GENERATOR ENGINE, 2,922 HP, ENGINE 2A.
001C	CUMMINS-ONAN, MODEL: QSK60-G6, S/N: C0000750 33, GENERATOR ENGINE, 2,922 HP, ENGINE 3A.
001D	CUMMINS-ONAN, MODEL: QSK60-G6, S/N: C0000750 32, GENERATOR ENGINE, 2,922 HP, ENGINE 1B.
001E	CUMMINS-ONAN, MODEL: QSK60-G6, S/N: C0000750 28, GENERATOR ENGINE, 2,922 HP, ENGINE 2B.
001F	CUMMINS-ONAN, MODEL: QSK60-G6, S/N: C0000750 30, GENERATOR ENGINE, 2,922 HP, ENGINE 3B.

THIS PERMIT IS GRANTED SUBJECT TO ALL RULES AND REGULATIONS OF THE COLORADO AIR QUALITY CONTROL COMMISSION AND THE COLORADO AIR POLLUTION PREVENTION AND CONTROL ACT C.R.S. (25-7-101 et seq), TO THOSE GENERAL TERMS AND CONDITIONS INCLUDED IN THIS DOCUMENT AND THE FOLLOWING SPECIFIC TERMS AND CONDITIONS:

1. All previous versions of this permit are canceled upon issuance of this permit.
2. Visible emissions shall not exceed twenty percent (20%) opacity during normal operation of the source. During periods of startup, process modification, or adjustment of control equipment visible emissions shall not exceed 30% opacity for more than six minutes in any sixty consecutive minutes. Opacity shall be measured by EPA Method 9. (Reference: Regulation 1, Section II. A. 1. & 4.)
3. AIRS PT ID numbers (for example, "AIRS PT ID: 001A") shall be marked on the subject equipment for ease of identification. (Reference: Regulation No. 3, Part B, IV. E.) (State only enforceable)
4. The applicant shall follow the most current operating and maintenance plan and record keeping format approved by the Division in order to demonstrate compliance on an ongoing basis with the requirements of this permit. (Reference: Regulation No. 3, Part B, IV. B. 2)

5. Prevention of Significant Deterioration (PSD) requirements shall apply to this source at any such time that this source becomes major solely by virtue of a relaxation in any permit condition. Any relaxation that increases the potential to emit above the applicable PSD threshold will require a full PSD review of the source as though construction had not yet commenced on the source. The source shall not exceed the PSD threshold until a PSD permit is granted. (Reference: Regulation No. 3, Part B, IV. D. 3. b. (iv))
6. Operating Permit (OP) requirements shall apply to this source at any such time that this source becomes major solely by virtue of a relaxation in any permit limitation. Any relaxation that increases the potential to emit above the applicable OP threshold shall require submittal of and issuance of an operating permit, under Regulation 3, Part C.
7. This source shall be limited to a fuel use rate as listed below and all other activities, operational rates and numbers of equipment as stated in the application. Monthly records of the actual consumption rate shall be maintained by the applicant and made available to the Division for inspection upon request. (Reference: Regulation No. 3, Part B, III. A. 4.)

Consumption of low sulfur (Sulfur content less than 0.05 %) distillate fuel oil for combustion in the generator engines shall not exceed 100,000 gallons per year.

Compliance with the yearly consumption limits shall be determined on a rolling twelve (12) month total.

8. Emissions of air pollutants shall not exceed the following limitations (as calculated in the Division's preliminary analysis). Compliance with the annual limits shall be determined on a rolling (12) month total. By the end of each month a new twelve month total is calculated based on the previous twelve months' data. The permit holder shall calculate monthly emissions and keep a compliance record on site for Division review. (Reference: Regulation No. 3, Part B, III. A. 4)

Nitrogen Oxides:	13.16 tons per year.
Carbon Monoxide:	10.71 tons per year.

9. A Revised Air Pollutant Emission Notice (APEN) shall be filed: (Reference: Regulation No. 3, Part A, II. C)

- a. Annually whenever a significant increase in emissions occurs as follows:

For any criteria pollutant:

For sources emitting **less than 100 tons per year**, a change in actual emissions of five tons per year or more, above the level reported on the last APEN submitted.

For any non-criteria reportable pollutant:

If the emissions increase by 50% or five (5) tons per year, whichever is less, above the level reported on the last APEN submitted to the Division.

- b. Whenever there is a change in the owner or operator of any facility, process, or activity; or
- c. Whenever new control equipment is installed, or whenever a different type of control equipment replaces an existing type of control equipment; or
- d. Whenever a permit limitation must be modified; or
- e. No later than 30 days before the existing APEN expires.



Ram N. Seetharam
Permit Reviewer



Roland C. Hea, P.E.
Unit Leader

Permit History:

Date	Action	Description
This issuance	FA Modification-1	Decrease in fuel use rate limit; emission factors for NOx and CO from tests; issued as Final Approval.
June 22, 2000	IA	Initial Approval.

Notes to Permit Holder:

- 1) The fuel use rate and emission limits contained in this permit are based on those requested in the permit application. These limits may be revised upon request of the permittee providing there is no exceedance of any specific emission control regulation or any ambient air quality standard. A revised air pollution emission notice (APEN) and application form must be submitted with a request for a permit revision.
- 2) The emission levels contained in this permit are based on the following emission factors (pounds per million BTU heat input):

Nitrogen Oxides: 1.9000
Carbon Monoxide: 1.5466
- 3) This source is classified as a:

Synthetic Minor Source for Prevention of Significant Deterioration (PSD) applicability
Synthetic Minor Source for Operating Permit applicability
Major Source for New Source Review applicability
At a: Synthetic Minor Facility