



CITY OF RAPID CITY

RAPID CITY, SOUTH DAKOTA 57701-2724

PLANNING DEPARTMENT

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MEMORANDUM

TO: Legal and Finance Committee

FROM: Teresa Whitney, Air Quality Specialist

DATE: December 11, 2001

RE: Amendments to Rapid City Municipal Code Chapter 8.38.040 on Air Quality

Please find the attached amendments to Chapter 8.38.040 of the Rapid City Municipal Code relating to Air Quality Regulation inside the City of Rapid City. The County Highway Superintendent requested these revisions. Subsequently, the revisions were unanimously recommended for approval at the November 19, 2001 Air Quality Board meeting. The amendments were unanimously approved by the County Commission at the Second Reading on December 11, 2001. For consistency and enforcement purposes, the same revisions need to be made to City Air Quality Ordinance.

Recommendation: Approval of the amendments to Rapid City Municipal Code Chapter 8.38 as attached.



EQUAL OPPORTUNITY EMPLOYER

ORDINANCE #3774

AN ORDINANCE AMENDING SECTION 8.38.040 OF CHAPTER 8.38 OF THE RAPID CITY MUNICIPAL CODE PERTAINING TO CONSTRUCTION PERMITS AND COMPLIANCE PLANS

BE IT ORDAINED by the City of Rapid City that Section 8.38.040 of Chapter 8.38 of the Rapid City Municipal Code pertaining to construction permits be amended to read as follows:

8.38.040 Reasonably Available Control Technology Requirements.

Any construction permit, continuous operation or political subdivision responsible for maintaining public roads shall provide for reasonably available control technology to prevent fugitive emissions from becoming airborne. **If the reasonably available control technology selected for the site proves to be insufficient at controlling fugitive emissions, additional measures shall be required.** Such controls may include, but not be limited to the following practices:

- A. For activity involving the removal or alteration of natural or pre-existing ground cover including, but not limited to **road construction**, land clearing, excavating, grading, earthmoving, dredging, or demolition:
1. Use of water **to control fugitive emissions from** ~~truck on site for wetting down~~ **disturbed areas or other work activities**;
 2. Chemical stabilization;
 3. Applying dust palliative;
 4. Minimization of area disturbed;
 5. Reclamation of disturbed area as soon as possible;
 6. Vehicular speed limitation;
 7. Routine cleaning of paved areas, ~~including streets~~ with a vacuum sweeper, as necessary **to remove any materials deposited through** ~~for any mud tracking~~ **or erosion that may become reentrained. Any other method of cleaning shall be submitted in writing to the Air Quality Division for approval**;
 8. 50 feet of crushed rock pad or dirt grates at all site access points **to prevent tracking onto the public right of way or private driveways or parking lots where fugitive dust may become reentrained**;
 9. Minimization of dust from open trucks or onsite storage piles and/or;
 10. Install plastic fences to reduce wind erosion.
- B. For paved and unpaved roads, alleyways and storage areas, construction, altering, yearly street or highway maintenance and repair of road surface:
1. ~~Wetting down~~ **Use of water to control fugitive emissions from disturbed areas or other work activities**;
 2. Chemical stabilization;
 3. Applying dust palliative;

4. Vehicular speed limitation;
5. Movement of materials by enclosed vehicles or covered conveyance system;
6. Routine cleaning of paved areas **by sweeping (mechanical or vacuum) to remove materials that may become reentrained;**
- ~~7. Mechanical capture of fugitive emissions by vacuuming;~~
8. 7. Water flushing (when safety is not jeopardized); and/or
9. 8. Wetting ahead of open sweepers on rural roads.

C. Paved and unpaved parking lots:

1. The paved parking lots shall be cleaned either by sweeping (mechanical or vacuum sweeper), water flushing (when safety is not jeopardized), or by any means possible to reduce sanding material reentrainment; and
2. The unpaved parking lots shall be maintained by any means possible to reduce dust reentrainment, such as wetting down, chemical stabilization, and vehicular speed limitation.

D. For material screening, handling, storage, processing or transportation:

1. Installation of baghouses and other emission control and collection systems;
2. Enclosed conveyance systems;
3. Enclosing, covering, or applying dust suppressants on storage piles where practical;
4. Moisturizing or chemically treating the material during processing;
5. Cleaning of paved areas; and/or
6. Movement of materials by enclosed vehicle or covered conveyance system.

E. For erosion control:

1. Planting of exposed area;
2. Installing wind screen or equivalent wind speed reduction device **to control wind erosion;**
3. Chemical stabilization;
4. Covering with a non-erodible material; **and/or**
5. Runoff control barriers, **such as silt fences,** and dams.

CITY OF RAPID CITY

Mayor

ATTEST:

Finance Officer

(SEAL)

First Reading:

Second Reading:

Published:

Effective:

(File Name)