



# CITY OF RAPID CITY

RAPID CITY, SOUTH DAKOTA 57701-5035

## Growth Management Department

300 Sixth Street

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### MEMORANDUM

TO: Rapid City Area Air Quality Board

FROM: Keri Schiferl, Air Quality Specialist<sup>rs</sup>

DATE: August 31, 2010

RE: Air Quality Complaints 6/1/10-8/31/10

A total of 18 air quality complaints were received in June, July and August. This is an increase in the total number of complaints typically received and can be partially attributed to the dust public service announcement videos increasing public awareness. Many of the complainants mentioned seeing the dust public service announcement and were calling as a result.

Of the complaints received 15 were fugitive dust complaints, 2 complaints were smoke and burning of inappropriate fuel and the other complaint received was in regard to mud trackout and fugitive dust.

Four of the fugitive dust complaints were generated as a result of dust from gravel roads, 3 of the complaints were attributed to road crack sealing projects using dry saws and compressed air, 2 complaints were attributed to construction projects with air quality permits and 2 complaints were generated as a result of sandblasting.

Details of each complaint can be found in the Air Quality Complaint Report available online.



EQUAL HOUSING  
OPPORTUNITY

EQUAL OPPORTUNITY EMPLOYER

# Air Quality Complaint Report-June/July/August 2010

Date	Category	Source Name	Size (acres)	Permit No	Source Location
6/1/2010	Fugitive Dust	E Saint Charles Street			2300-2500 Blocks of E Saint Ch

### Complaint

Dust being generated from traffic on East St. Charles Street. Complainant reported that the road was tore up about 4 weeks ago and now it is gravel. Dust is entering complainant's business who manufactures medical equipment and it is not acceptable.

### Follow up

Inspected site and observed fugitive dust generated as vehicles travel over the recycled asphalt road.

Spoke with Don Brumbaugh and he said the road is recycled asphalt which they milled up and laid back down 4 weeks ago. The street department was going to check the site to see what could be done.

Date	Category	Source Name	Size (acres)	Permit No	Source Location
6/17/2010	Fugitive Dust	Sandblasting at Western SD C	NA	NA	1844 Lombardy Dr

### Complaint

Dust complaint on the sandblasting that is being done on the Native American building on St Pat Street across from the Animal Shelter. Complainant indicated that with the winds the dust clouds were everywhere.

### Follow up

Building inspector photographed site during the sandblasting process.

Sandblasting is not covered under the Air Quality Ordinance.

Date	Category	Source Name	Size (acres)	Permit No	Source Location
6/17/2010	Fugitive Dust	Sandblasting on E. Saint Patri	NA	NA	not given (assuming 1844 Lomb

### Complaint

Complaint forwarded from DENR - Earlier today I was driving in a commercial area on E. St. Patrick Street in Rapid City and observed a sandblasting operation on the exterior of an older, concrete block constructed commercial business. I was concerned because there was no containment around the sandblasting operation and one could see the clouds of paint/abrasive//concrete dust blowing off the building in the wind as it was blasted. I was also concerned that because of the age of the building the paint might be lead based (although I don't know the actual age of the building, I know that it was already in that commercial district when I moved to Rapid City in 1985 so it is at least 25+ years old).

### Follow up

Complainant was informed that sandblasting was not regulated by the DENR or by the Rapid City Air Quality Ordinance.

Date	Category	Source Name	Size (acres)	Permit No	Source Location
6/30/2010	Fugitive Dust	Sun Ridge Road			Sun Ridge Road

### Complaint

Complainant reported to Larry Noble that fugitive dust generated from Sun Ridge Road enters their home when the windows are open.

### Follow up

Larry Noble will follow up with Public Works to see what can be done.

Date	Category	Source Name	Size (acres)	Permit No	Source Location
7/1/2010	Fugitive Dust	National Guard Road		NA	National Guard Road

**Complaint**

Complainant reported that fugitive dust is created by vehicles traveling on National Guard Road off of Red Dale Drive. The road is used for access to the Wesleyan Church Camp and as many as 35-40 cars use the road which creates fugitive dust. Complainant reported that last summer a water truck watered the road about 3 times which is not enough to control the dust. Complaint requested that the road be "oiled".

**Follow up**

National Guard Road is private road on South Dakota National Guard Property. The complaint was referred to Jim Anderson at the DENR.

Date	Category	Source Name	Size (acres)	Permit No	Source Location
7/12/2010	Fugitive Dust	Gravel Road		NA	Hidden Springs Road

**Complaint**

Complainant left message stating that they have lived on Hidden Springs Road for 33 years. Hidden Springs Road is a gravel road that is maintained by the County. Chemical dust abatement for mailman and school bus traffic.

**Follow up**

Returned phone call on 7/13. Spoke with another person at the phone number given who said they would tell complainant that I called.

Gravel Road is outside of the Air Quality Control Zone.

8/4 - 12:15 complainant called back - asked that the information be passed on to the County - an email with the information was sent to the Pennington County Highway Department Superintendent and Assistant Superintendent.

Date	Category	Source Name	Size (acres)	Permit No	Source Location
7/13/2010	Smoke	Residence at 31 Quincy Street		NA	31 Quincy Street

**Complaint**

Complainant reported that neighbor is burning logs, garbage and cardboard outside in the back yard in a make shift fire box made out of cement blocks. Complainant has COPD and the smoke is so thick at times the complainant can't breathe. Most of the burning occurs at night.

**Follow up**

Staff inspected the site and observed a wood pile near the fire pit. No garbage or cardboard was observed around the fire pit.

Asked complainant to call back if neighbor is actively burning inappropriate fuels. A courtesy letter was sent defining appropriate and inappropriate fuels.

7/15 - Resident at 31 Quincy Street called regarding their burning practices and stated that only dry wood is used, not garbage or cardboard.

Date	Category	Source Name	Size (acres)	Permit No	Source Location
7/15/2010	Fugitive Dust	Road work - Tepee Street		NA	Tepee Street

**Complaint**

Complainant reported a large cloud of dust across Jackson Boulevard from Tepee Street from road construction. The complainant reported observing crews in the area working with a concrete saw and then later observed a large cloud of dust going across Jackson Boulevard from Tepee Street. The complainant thought that they were possibly using air to blow out the cracks.

**Follow up**

Staff inspected the Tepee Street area. It appeared that the cracks in the road were recently sealed and crews were not observed working in the area.

Public Works was contacted regarding the issue.

Public Works will investigate the use of a vacuum system on future projects.

Date	Category	Source Name	Size (acres)	Permit No	Source Location
7/16/2010	Fugitive Dust	11th Street Alley Sewer Projec	1.5	10-AQ-005	Kansas City Street
<b>Complaint</b>					
Traffic on Kansas City Street between West Boulevard and 11th Street is creating fugitive dust from the construction project.					
<b>Follow up</b>					
Staff inspected Kansas City Street. The road is dirty and fugitive dust is created when vehicles travel over the road. Some of the pavement has been removed as part of the project. The work is part of the 11th Street Alley Sewer Project. Staff contacted the engineering inspector who is having the contractor clean up the area.					
The road is expected to be patched in about a week.					

Date	Category	Source Name	Size (acres)	Permit No	Source Location
7/16/2010	Fugitive Dust	Crack Sealing Process			Construction projects
<b>Complaint</b>					
A large amount of fugitive dust is created during the crack sealing process when using compressed air to blow out the cracks. Complainant did not have a location was talking about the process in general.					
<b>Follow up</b>					
Notified Public Works of the complaint.					
Public Works will investigate the use of a vacuum system on future projects.					

Date	Category	Source Name	Size (acres)	Permit No	Source Location
7/23/2010	Fugitive Dust	Road construction on Jackson		NA	Jackson Blvd
<b>Complaint</b>					
Complainant reported that crews were blowing cement dust off Jackson Blvd creating a large cloud of dust.					
<b>Follow up</b>					
Inspected area - fugitive dust generated by blowing the cracks out with air.					
Contacted public works regarding the issue.					

Date	Category	Source Name	Size (acres)	Permit No	Source Location
7/23/2010	Fugitive Dust	Central High School Addition	14	10-AQ-014	433 Mt. Rushmore Road
<b>Complaint</b>					
Civic Center is getting complaints about dust from the Central High School Project.					
<b>Follow up</b>					
Inspected site due to complaint and took pictures. Fugitive dust was generated from the traffic on the site.					
Spoke with Ken Kern of Gustafson Builders regarding putting additional water for dust control on the site.					

Date	Category	Source Name	Size (acres)	Permit No	Source Location
7/30/2010	Fugitive Dust	City Property on Knollwood Dri		NA	Knollwood Dr & Brentwood St
<b>Complaint</b>					
Complainant reported that an Air Force Project to replace a water main was done and the area had not been reseeded. The area is located in Knollwood Heights along the Interstate at the end of Brentwood Street and E Knollwood Drive. Complainant is tired of dust and dirt from the project area and stated that the area needed to be reseeded.					
<b>Follow up</b>					
Project was completed by a contractor working for the Corps of Engineers at Ellsworth AFB for their water line crossing of the Interstate.					
Public Works contacted the Corps office and they will check with the contractor to see when the site will be stabilized.					

Date	Category	Source Name	Size (acres)	Permit No	Source Location
8/9/2010	Mud Trackout	Black Hills Speedway			2467 Jolly Lane
<b>Complaint</b>					
Complainant expressed concern with dust produced by the mud tracking caused by customers leaving the race track after a rain out. The traffic increases the mud and produces dust when the mud dries.					
<b>Follow up</b>					
Conducted inspection of the area. Mud tracking from Black Hills Speedway was observed on Jolly Lane.					
8/10 - Sent letter requesting cleanup of Jolly Lane and submittal of an air quality parking/storage area permit application.					

Date	Category	Source Name	Size (acres)	Permit No	Source Location
8/11/2010	Fugitive Dust	Black Hills Sweeping Compan		NA	218 Nordby Lane
<b>Complaint</b>					
Complainant reported that a Black Hills Sweeping Company Sweeper was creating a cloud of dust when sweeping in the W. Saint Louis & Nordby Lane area. Complainant spoke with Simon Contractors, City Engineering, the Street Department and tried to call Black Hills Sweeping but did not get an answer. No one knew what was going on. Complainant thought that the sweeping was part of the water main reconstruction project.					
<b>Follow up</b>					
Spoke with John from Black Hills Sweeping Company regarding the sweeping project. They were sweeping the South Canyon School parking lot.					
John reported that the sweeper was using water and there was very little dust generated by the project. I explained the Ordinance requirements and asked that they make sure sufficient water is used. He stated that they were using water and that he will keep an eye on it.					
Black Hills Sweeping Company thought that there was more dust generated from the traffic in the street than what was created from sweeping. Simon Contractors is planning to sweep the streets this afternoon.					
Called complainant back and let them know that I spoke with Black Hills Sweeping Company. I asked that they call back if they observe the sweeping again. Staff will try to observe sweeping in progress.					
Complainant asked that we notify the School District of the complaint. School District was going to contact Black Hills Sweeping Company and reinforce the need for compliance.					

Date	Category	Source Name	Size (acres)	Permit No	Source Location
8/16/2010	Dust	Hills Material			225 E Main Street North
<b>Complaint</b>					
Complainant reported that dust was being generated by Hills Material and the dust was hanging in the valley. Complainant was not sure what was producing the dust. Complainant was concerned for the health of people in the area because of the location near the School of Mines, fair grounds and baseball fields.					
<b>Follow up</b>					
Spoke with Street Department and they indicated that Hills Material stacking conveyor was putting material in a bin and it was creating the dust.					
Passed complaint to DENR. Jon Epp followed up with Hills Material and complainant.					

Date	Category	Source Name	Size (acres)	Permit No	Source Location
8/27/2010	Fugitive Dust	Dust from uncovered trucks tra			

**Complaint**

Complainant has asthma and reported that trucks hauling on W. Chicago Street near Nemo Road are not covered and are creating dust. Complainant did not know what company the trucks were from or where they were going.

**Follow up**

8/27 - Inspected the W. Chicago Street, South Canyon Road and Nemo Road area and did not observe trucks hauling in the area.

8/30 - Inspected the area and did not observe trucks hauling.

Date	Category	Source Name	Size (acres)	Permit No	Source Location
8/30/2010	Other	Residence at 4704 J Ct burnin			4704 J Ct

**Complaint**

Complainant reported burning of garbage and other materials in a burn barrel at 4704 J Ct. According to complainant burning occurs at night and last night the burning started at approximately 9:00 pm.

**Follow up**

Inspected site.

8/30 - Send letter to resident at 4704 J Ct.