CONTRACT YEAR OCTOBER 1, 2016 TO SEPTEMBER 30, 2017 SUMMARY REPORT

October 2017

Air Quality Program

GENERAL INFORMATION:

Prepared For:	South Dakota Department of Environment and Natural Resources and the Rapid City Area Air Quality Board
Report By:	Michelle A. Tech
Report Date:	October 11, 2017

GENERAL COMMENTS:

The purpose of this report is to provide information to the South Dakota Department of Environment and Natural Resources and the Rapid City Area Air Quality Board regarding the activities completed by the Rapid City Air Quality staff for the contract period of October 1, 2016 through September 30, 2017. The elements of the "Pass Through Agreement" (Items I. 4., bullets 1 through 12) are identified below along with the tasks completed or in progress by the Air Quality staff (*shown in italics*).

Summary of "Pass Through Agreement" Elements:

1. **Program administration:** The City shall prep are minutes and agendas for the Rapid City Area Air Quality Board (Air Quality Board) meetings, correspondence, forms and reports; and maintain a complete filing system of the above documents. Agendas and minutes of meetings shall be made available to the State through the program's website in a timely manner. The Air Quality Board minutes and activity reports will be provided to the Air Quality Board representatives for the Rapid City Council, Pennington County Commission and made available to the public in the office and through the program's website.

   The Air Quality staff prepared and maintained all necessary documents for the Air Quality program. Agendas and minutes were submitted to the State in the Air Quality Board packets. All documents are available by request from the public in the Air Quality Office and several documents are maintained on the City website.

2. **Scheduled Site Inspections for Facilities with Compliance Plans:** A baseline timetable for scheduled inspections shall be established for the grant year. Formal inspections shall be conducted yearly on all sources with compliance plans. Formal inspection reports, follow-up inspections and complaint inspections shall be documented, maintained for three years and made available for review by the State.

   The Air Quality Specialist inspected the Rapid City Street Department, the City Utility Maintenance Facility, the City Landfill, Zandstra South Yard, J Scull

Construction, Rapid City, Pierre & Eastern Railroad, Countryside South Road District, Pennington County Highway Department, Heavy Constructors, Inc, RCS Storage, Neff Pit, Black Hills Speedway, and Rapid City BMX. Formal inspection reports, follow-up inspections and complaint inspections are documented and filed in the Air Quality office.

3. **Compliance Plan Reviews:** Compliance plan reviews shall be conducted according to the Pennington County Air Quality Ordinance Number 12 and Rapid City Air Quality Ordinance for those operations within the Air Quality Control Zone regulated by the City and the County. The reviews shall be documented, maintained for three years, and made available for review by the State.

   Compliance plan permits must be renewed every three years. Three compliance plan permits expired during the contract year. All compliance plans are documented and filed in the Air Quality office.

4. **Construction Permits:** Construction permits will be issued by the City for those operations regulated by the City and the County for projects within the Air Quality Control Zone. Each project will be monitored at least once to ensure requirements are met and on a complaint basis. Permits, inspections and enforcement actions shall be documented, maintained for three years, and made available for review by the State.

   A total of 49 new construction permits were issued during this contract year. Air Quality staff conducts inspections on an approximately monthly basis during active construction and less frequently when fugitive dust generating activities have decreased. Inspections are also conducted when a complaint is received. All permit and inspection information is documented and made available to the State for review by posting the information on the City website.

5. **Public Information, Education, and Assistance:** The City will provide public information relative to air quality in Pennington County and Rapid City when requested. This will include promoting pollution prevention through education and encouraging individual and corporate measures that have or would improve air quality, and continuing to respond to requests for information received from the public. The City will establish and maintain an air quality website to provide access to air quality permit applications and public information on the air quality of the City and County.

   The Air Quality staff maintains and updates the air quality webpages as part of the City's website during the contract year. There are several pages that can be reviewed by the public that discuss various aspects of the air quality in Rapid City

and Pennington County. There is also a page dedicated to teachers and students that directs them to education resources on air quality.

6. **Coordination of EPA/State/Local efforts:** The City will monitor new developments and any proposed changes in State and Federal regulations that would affect the local program and participate in the review process involved in such changes.

   The Air Quality staff monitors new developments on an ongoing basis. The Air Quality Board has been kept apprised of the effects of the new EPA air quality standards. The Air Quality Board provides comments on proposed regulations as they occur.

7. **Training:** The City staff will attend workshops and training sessions to stay current with new developments provided funds are available. Compliance, enforcement and technical areas are preferred. Staff shall maintain certification for Visual Emission Evaluations (EPA Method 9).

   On April 26, 2017 and September 26, 2017 Michelle Tech attended the Smoke School Field Certification in Pierre and was certified as a Visible Emissions Evaluator (EPA Method 9).

8. **Complaint Reporting:** All complaints shall be documented, maintained for three years, and made available for review by the State. All complaints pertaining to State-regulated sources shall be forwarded to the State no later than 5 working days from receipt of complaint, except for extraordinary circumstances. Complaint reporting shall include the name of the complainant (if known), complainant phone number (if provided), name of the source (if known), date of complaint, a description of the complaint and the action taken on the complaint.

   The Air Quality staff collected information related to air quality complaints. The complaints were either investigated by staff or forwarded to the State or another appropriate agency or resource. Complaints are available for the State to review on the City website. A total of 13 complaints were received during the contract year.

9. **Wood Burning and Dust Control Public Service Announcements:** As part of the program's educational efforts to reduce PM10 pollution from wood burning devices and construction-generated dust, the City will promote the public service announcements videos on wood burning issues and dust control. The City will ensure that these public service announcements are given to the local media for airing during the appropriate season.

Air Quality Program

The wood burning public service announcement was provided to local media to be aired during the winter months and the public service announcement focused on the reduction of construction dust was provided to local media to be aired during the spring, summer and fall months. The public service announcements are also available on the City of Rapid City website and Rapid City YouTube Channel.

10. **Paved and Unpaved Streets and Roads:** The City shall continue to permit, inspect and enforce the Ordinance for the paved and unpaved streets and roads in areas regulated by the City and the County within the Air Quality Control Zone. The City shall develop and maintain an inventory for paved and streets and roads in the area regulated under the Pennington County Ordinance Number 12 and the Rapid City Air Quality Ordinance.

Pennington County provides an updated inventory of the County roads located in the Air Quality Control Zone in the Compliance Plan Permit submittals every three years. An inventory of the unpaved roads in the City is maintained. The data for the inventory of the paved and unpaved roads within the Air Quality Control Zone is updated periodically.

11. **Unpaved Parking Areas:** The City shall continue to permit, inspect and enforce the Ordinance for the unpaved parking and/or storage areas in areas regulated by the City and the County within the Air Quality Control Zone. The City shall develop and maintain an inventory for unpaved parking and storage areas in the area regulated under the Pennington County Ordinance Number 12 and the Rapid City Air Quality Ordinance.

The inventory of parking and storage areas regulated by Pennington County Ordinance Number 12 and the Rapid City Air Quality Ordinance are maintained in the TrakIt Software. During the contract period, two new permits were issued for unpaved parking or storage lots.

12. **Air Quality Alerts:** The City and Air Quality Board will continue to assist the State in the implementation of the high wind dust alerts. The City shall, in cooperation with the State and when necessary with the National Weather Service, issue the air quality alerts in accordance with established protocol.

The Rapid City Natural Events Action Plan (NEAP) published in July 2005 specifies the procedures followed during high wind dust alerts. The National Weather Service issues the alert by listing it on their website and notifies the Department of Environment and Natural Resources' Rapid City and Pierre offices and the Rapid City Air Quality staff by fax. The Department of Environment and Natural Resources notifies the State regulated facilities and the Rapid City Air Quality staff by e-mail and posts the alert on the Department of Environment and

Air Quality Program

Natural Resources' website. The Rapid City Air Quality staff writes a public announcement for each air quality alert that appears in the scrolling "City News" section of the front page of the city website. There were 5 high wind dust alerts called during the contract year.