



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

PMB 2020
JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3182
www.state.sd.us/denr

June 22, 2012

Mayor Sam Kooiker
City of Rapid City
300 6th Street
Rapid City, SD 57701

RE: City of Rapid City Public Water System On-Site Evaluation (EPA ID #0406)

Dear Mayor Kooiker:

The Department of Environment and Natural Resources (DENR) performed an on-site evaluation of your drinking water system on April 11, 2012. Based on the information obtained during that evaluation, Rapid City continues to do a good job of providing their customers with safe drinking water. We have some recommendations to assist you with maintaining compliance with regulations, improving operations, and providing public health protection. The requirements and recommendations are as follows:

Requirements for Public Water System On-Site Evaluations

1. The Stage 2 Disinfection By-Products rule requires schedule 2 systems to take compliance samples prior to October 1st, 2012. Compliance sampling should follow a DENR approved sampling plan. If you have any questions regarding the Stage 2 Disinfection Byproduct Rule requirements you can contact Geoff Osterman at the Department of Environment and Natural Resources' Drinking Water Program at 523 East Capitol, Pierre, SD 57501, (605) 773-3754.
2. As a reminder, the National Primary Drinking Water Regulations require that results of compliance monitoring for coliform bacteria be kept on file for a defined period of time. Please see the chart below for your systems required record keeping:

Records That Must Be Kept	Duration
Actions taken by your system to correct violations	At least 3 years
Public Notices that your system issues	At least 3 years
Public Notification Rule	At least 3 years
Microbiological and turbidity analyses	At least 5 years
Chemical analyses	At least 10 years
Sanitary surveys and written reports and summaries of surveys	At least 10 years
Consumer Confidence Rule	At least 3 years
Lead and Copper Rule - Public education activities and materials	At least 12 years
Lead and Copper Rule – all associated sample analyses, corrosion control recommendations	At least 12 years
Stage 1 and 2 Disinfectants and Disinfection By-Products Rule	At least 10 years

Recommendations for Public Water System On-Site Evaluations

1. The administration and operations personnel are commended for the excellent operation and maintenance of the water system. The continued improvements will extend the normal life of the facility and assure the benefits of quality water to the community.
2. Upon calculation the volume of water that is purchased against the volume of water that is billed, there is approximately 15.3% water loss. If a large amount of water is unaccounted for, money and water are being wasted. Authorized unmetered accounts and in house water use add to water loss amounts. Water leaking from the distribution system is the most significant factor in total water loss amount. A water loss of less than 10% should be the goal.
3. There are new Federal Regulations that may apply to your generator(s) depending on the age of the generator, size of the generator, fuel type, etc. To find out if your generator is applicable to and in compliance with the new Federal Regulations, please submit the "General Application for Minor Sources" form and a "Generators and Fire Pumps" application form for each generator. Submit the forms along with the manufacturer's specification for each generator to the address on the "General Application for Minor Sources" form and the Air Quality Program will contact you with their findings. The forms are located at the following website:
<http://denr.sd.gov/des/aq/airpermits.aspx>

Additional information on the new federal regulations can be viewed at <http://denr.sd.gov/des/aq/aqnews/NotificationForms1.aspx>. If you need assistance in completing the forms or if you have any questions, please contact the Department of Environment and Natural Resources' Air Quality Program at 605-773-3151.

For technical assistance contact the Department of Environment and Natural Resources Drinking Water Program at 523 East Capitol, Pierre, SD 57501, (605) 773-3754 or the South Dakota Rural Water Association (SDRWA) at 203 W. Center Street, Madison, SD, (605) 556-7219. Representatives of your water system are invited to attend seminars and training courses sponsored by DENR and the SDRWA. For further information please contact them.

Please acknowledge that you have received this report by indicating corrective actions taken. The on-site evaluation report is attached to this letter. If you have questions or comments concerning this on-site evaluation, please call me at (605) 773-3754.

Sincerely,



Geoff Osterman
Drinking Water Program
(605) 773-6045

cc: Pauline Sumption, Finance Officer
John Wagner, Utilities Manager