

November 6, 2020

Spring Lake Park City Council
 c/o Mr. Dan Buchholtz, Administrator
 Spring Lake Park City Hall
 1301 81st Avenue NE
 Spring Lake Park, Minnesota 55432

Dear Council Members:

SUBJECT: Quarterly Results for Radiochemical Monitoring, Spring Lake Park, Anoka County, PWSID 1020029

Enclosed are the results of the most recent radiochemical samples collected from your public water system in accordance with Minnesota Rules, Chapter 4720 and the Safe Drinking Water Act.

Quarterly monitoring for radiochemicals is being conducted on your water system to determine if your system meets the maximum contaminant level (MCL) for gross alpha and/or combined radium 226+228. Samples will be collected for four quarters and the test results will be averaged. After four quarters of sampling, if the annual average of results from the Arthur Street or Terrace Park Treatment Plants exceed the MCL for either of these contaminants, you will be required to notify the public that the MCL has been exceeded and to take corrective action. The following is a summary of the results:

Sampling Site: Arthur Street Treatment Plant

Contaminant: **Combined Radium (-226 & -228)**

MCL: Annual Average >5.4 pCi/L

| <u>Date Collected</u> | <u>Results</u> | <u>Units</u> | <u>Sample#</u> | <u>Annual Average</u> |
|-----------------------|----------------|--------------|----------------|-----------------------|
| 08/27/2020 | 10.20 | pCi/L | 20H2223-02 | 6.9 |
| 04/07/2020 | 3.50 | pCi/L | 20D0126-01 | 3.5 |

Contaminant: **Gross Alpha in Water**

MCL: Annual Average >15.4 pCi/L

| <u>Date Collected</u> | <u>Results</u> | <u>Units</u> | <u>Sample#</u> | <u>Annual Average</u> |
|-----------------------|----------------|--------------|----------------|-----------------------|
| 08/27/2020 | 8.70 | pCi/L | 20H2223-02 | 8.4 |
| 04/07/2020 | 8.10 | pCi/L | 20D0126-01 | 8.1 |

Sampling Site: Terrace Park Treatment Plant

Contaminant: **Combined Radium (-226 & -228)**

MCL: Annual Average >5.4 pCi/L

| <u>Date Collected</u> | <u>Results</u> | <u>Units</u> | <u>Sample#</u> | <u>Annual Average</u> |
|-----------------------|----------------|--------------|----------------|-----------------------|
| 08/27/2020 | 4.10 | pCi/L | 20H2223-01 | 3.4 |
| 01/15/2020 | 2.60 | pCi/L | 20A0641-01 | 3.7 |
| 10/11/2019 | 3.80 | pCi/L | 19J0739-01 | 4.1 |
| 07/22/2019 | 2.90 | pCi/L | 19G0523-01 | 4.3 |

Contaminant: **Gross Alpha in Water**

MCL: Annual Average >15.4 pCi/L

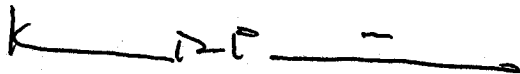
| <u>Date Collected</u> | <u>Results</u> | <u>Units</u> | <u>Sample#</u> | <u>Annual Average</u> |
|-----------------------|----------------|--------------|----------------|-----------------------|
| 08/27/2020 | 7.00 | pCi/L | 20H2223-01 | 6.9 |
| 01/15/2020 | 4.20 | pCi/L | 20A0641-01 | 6.9 |
| 10/11/2019 | 9.10 | pCi/L | 19J0739-01 | 7.8 |
| 07/22/2019 | 7.40 | pCi/L | 19G0523-01 | 7.1 |

All required radiochemical samples will be collected by your public water system and submitted to the Minnesota Department of Health (MDH) laboratory for analysis. Sample bottle(s) will be mailed to you with a labform and date that you are scheduled to collect your next sample(s). We will notify you if any action by your system is required.

Gross alpha and radium 226+228 are naturally occurring contaminants that are found in groundwater throughout central and southern Minnesota. Long-term elevated levels of exposure to these contaminants may result in an increased risk of cancer.

This report should be placed in your records and a copy maintained on or near the water system premises and available for public inspection for not less than ten (10) years. If you have any questions, please contact Todd Johnson at 218/308-2110 or email todd.johnson@state.mn.us.

Sincerely,



Karla R. Peterson, P.E., Supervisor
Community Public Water Supply Unit
Environmental Health Division
P.O. Box 64975
St. Paul, Minnesota 55164-0975

KRP:CLS

Enclosure

cc: Water Superintendent

Brian A. Noma, MDH St. Paul District Office