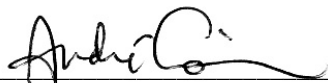


Summary Table – NWT Drinking Water Sampling and Testing Requirements

Parameter	Raw Water	Treated Water																												
A) Bacteriological E. coli and total coliforms (presence / absence test)	One sample per month.	<u>Piped Water Distribution</u> - Minimum four samples per month and one additional sample per month for every 1,000 population over 4,000. At least one sample taken immediately after treatment with the remaining samples taken from different locations in the distribution system. Samples should be taken every week. <u>Trucked Water Distribution</u> - At least one sample must be taken from each water truck in use that month, with the remaining samples taken from different public buildings.																												
B) Chlorine	Not applicable.	Plants with treated water storage must maintain a free chlorine residual of at least 0.2 mg/L after 20 minutes. Plants without water storage must maintain a free chlorine residual of at least 0.4 mg/L after 20 minutes. Keep records of test results.																												
C) Turbidity	One sample per day, upstream of the water treatment process.	Where practical, online continuous monitoring downstream of the treatment process is required. Where online monitoring is not practical, grab samples may be taken; one sample per delivery day plus one additional sample every four hours of plant operation. Keep records of test results.																												
D) Trihalomethanes (THMs)	Not applicable.	Quarterly samples are required with a minimum of four per year.																												
E) Chemical and Physical Parameters	If disinfection, i.e. chlorination/ UV light, is the only water treatment process, then raw water samples are not required. Otherwise, one sample per year of the 28 parameters listed below is required.	One sample per year is required for each of the 28 parameters listed below.																												
<table border="0"> <tr> <td>1. Alkalinity</td> <td>5. Cadmium</td> <td>9. Copper</td> <td>13. Nitrate</td> <td>17. pH</td> <td>21. Total Hardness</td> <td>25. TSS (Total Suspended Solids)</td> </tr> <tr> <td>2. Aluminum</td> <td>6. Chloride</td> <td>10. Cyanide</td> <td>14. Lead</td> <td>18. Selenium</td> <td>22. TDS (Total Dissolved Solids)</td> <td>26. Turbidity</td> </tr> <tr> <td>3. Arsenic</td> <td>7. Chromium</td> <td>11. Fluoride</td> <td>15. Manganese</td> <td>19. Sodium</td> <td>23. TOC (Total Organic Carbon)</td> <td>27. Uranium</td> </tr> <tr> <td>4. Barium</td> <td>8. Colour</td> <td>12. Iron</td> <td>16. Mercury</td> <td>20. Sulphate</td> <td>24. DOC (Dissolved Organic Carbon)</td> <td>28. Zinc</td> </tr> </table>			1. Alkalinity	5. Cadmium	9. Copper	13. Nitrate	17. pH	21. Total Hardness	25. TSS (Total Suspended Solids)	2. Aluminum	6. Chloride	10. Cyanide	14. Lead	18. Selenium	22. TDS (Total Dissolved Solids)	26. Turbidity	3. Arsenic	7. Chromium	11. Fluoride	15. Manganese	19. Sodium	23. TOC (Total Organic Carbon)	27. Uranium	4. Barium	8. Colour	12. Iron	16. Mercury	20. Sulphate	24. DOC (Dissolved Organic Carbon)	28. Zinc
1. Alkalinity	5. Cadmium	9. Copper	13. Nitrate	17. pH	21. Total Hardness	25. TSS (Total Suspended Solids)																								
2. Aluminum	6. Chloride	10. Cyanide	14. Lead	18. Selenium	22. TDS (Total Dissolved Solids)	26. Turbidity																								
3. Arsenic	7. Chromium	11. Fluoride	15. Manganese	19. Sodium	23. TOC (Total Organic Carbon)	27. Uranium																								
4. Barium	8. Colour	12. Iron	16. Mercury	20. Sulphate	24. DOC (Dissolved Organic Carbon)	28. Zinc																								

The Chief Medical Health Officer:

- (a) as a Medical health Officer, and under authority of section 9 of the *Public Water Supply Regulations*, R.R.N.W.T. 1990, c.P-23, and
- (b) under authority of sections 11, 12, and 16 of the *Public Water Supply Regulations*, R.R.N.W.T. 1990, c.P-23, directs operators or owners of public drinking water systems in the Northwest Territories to conduct and perform sampling and testing of public drinking water in accordance with the above Summary Table.



André Corriveau, MD, MBA, FRCPC
Chief Medical Health Officer

19/04/07

Date

For inquiries or assistance with sampling call:

Environmental Health Services

Yellowknife (867) 669-8979
Hay River (867) 874-3080
Inuvik (867) 777-7250/7220