

## Bureau of Mining Regulation and Reclamation

### GUIDANCE DOCUMENT

#### 2022 MODIFICATION TO PROFILE 1 PARAMETER LIST

Effective 1 January 2022, the Division is revising the Profile 1 parameter list to include uranium (**dissolved**). This revision is a result of the Division beginning to collect background data for naturally occurring radioactive materials (NORMs).

The Profile 1 consists of the following parameters:

Alkalinity (as CaCO <sub>3</sub> ) Bicarbonate Total	Cadmium	Magnesium	Silver
	Calcium	Manganese	Sodium
	Chloride	Mercury	Sulfate
Aluminum	Chromium	Nitrate + Nitrite (as N)	Thallium
Antimony	Copper	Nitrogen, Total (as N)	Total Dissolved Solids
Arsenic	Fluoride	pH ( $\pm$ 0.1 SU)	Uranium
Barium	Iron	Potassium	WAD Cyanide
Beryllium	Lead	Selenium	Zinc

If the results of the uranium (dissolved) analyses indicate a concentration  $\geq 0.010$  mg/L, the Division will then require uranium analysis as total recoverable content, (i.e., unfiltered, preserved and digested) as required per method specifics.

If the total uranium analyses indicate a concentration  $\geq 0.030$  mg/L, the Division will require a Profile 1-R analysis.

The complete Profile 1 and Profile 1-R parameter lists including reference values can be found on the Division website at [Regulation Branch Guidance Documents](#).

If you have any questions regarding this notification, please contact the Division at (775) 687-9400.