



Environment and Climate Change
Environmental Approvals Branch
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File No.: 1644.10

April 11, 2024

Landice Yestrau
Manager of Environmental Control
Hudbay Minerals Inc.
1 Company Road
Flin Flon MB R8A 1N9
landice.yestrau@hudsonbayminerals.com

Dear Landice Yestrau:

**Re: Hudbay Minerals Inc. - Anderson Tailings Impoundment Area (TIA) -
Environment Act Licence No. 3263 - Notice of Alteration Approval**

Thank you for your notice of alteration dated January 16, 2024. The department understands you wish to construct and operate a temporary acid dosing building and associated pumping/piping system for pH adjustment at the Anderson TIA.

I approve the alteration per Section 14(2) of The Environment Act subject to the condition that Appendix C of Environment Act Licence No. 3263 is updated to the attached table.

Please note that Hudbay Minerals Inc. is required to sample at the Anderson TIA prior to effluent discharge and report sampling results to an assigned environment officer. The maximum discharge limits are required to follow the federal Metal and Diamond Mining Effluent Regulation (MDMER), or any amendment thereto.

This approval is available on the public registry at
<https://www.gov.mb.ca/sd/eal/registries/index.html>.

If you have any questions regarding this approval, please contact Jennifer Winsor, Senior Environmental Engineer, Environmental Approvals Branch at Jennifer.Winsor@gov.mb.ca or 204-945-7012.

For questions relating to the ongoing administration of the licence, please contact Cristal Huculak, Regional Supervisor, Environmental Compliance and Enforcement Branch at EnvCENorth@gov.mb.ca or 204-620-5797.

Sincerely,

Original Signed By
Agnes Wittmann
Director
The Environment Act

Attachment

- c. Jennifer Winsor
Cristal Huculak

APPENDIX C TO ENVIRONMENT ACT LICENCE NO. 3263

Monthly sampling variables pursuant to Clauses 29 and 31
 These parameters are subject to change by the Director

Parameter	Detection Limit	Units
pH	0.1	pH units
Conductivity	1	µS/cm
Total Carbon	0.5	mg/L
Total Inorganic Carbon	0.5	mg/L
Dissolved Organic Carbon	0.5	mg/L
Nitrate (as N)	0.005	mg/L
Nitrite (as N)	0.001	mg/L
Ammonia-Total (as N)	0.005	mg/L
Kjeldahl Nitrogen-Total	0.05	mg/L
Nitrogen (N)-Total	0.05	mg/L
Phosphorus (P)-Total and Dissolved	0.001	mg/L
Phosphorus (P)-Inorganic	0.001	mg/L
Phosphorus (P)-Reactive	0.001	mg/L
Bicarbonate (HCO ₃)	1	mg/L
Alkalinity, Total (as CaCO ₃)	1	mg/L
Carbonate (CO ₃)	1	mg/L
Hydroxide (OH)	1	mg/L
Chloride (Cl)	0.1	mg/L
Sulfate (SO ₄)	0.3	mg/L
Total Suspended Solids	1	mg/L
Total Dissolved Solids	3	mg/L
Turbidity	0.1	NTU
Hardness (as CaCPO ₃) - total and dissolved	0.5	mg/L
Aluminum (Al)-Total	0.003	mg/L
Aluminum (Al)-Dissolved	0.001	mg/L
Antimony (Sb)-Total and Dissolved	0.0001	mg/L
Arsenic (As)-Total and Dissolved	0.0001	mg/L
Barium (Ba)-Total and Dissolved	0.0001	mg/L
Beryllium (Be)-Total and Dissolved	0.00002	mg/L
Bismuth (Bi)-Total and Dissolved	0.00005	mg/L

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Parameter	Detection Limit	Units
Boron (B)-Total and Dissolved	0.01	mg/L
Cadmium (Cd)-Total and Dissolved	0.000005	mg/L
Calcium (Ca)-Total	0.01	mg/L
Calcium (Ca)-Dissolved	0.05	mg/L
Cesium (Cs)-Total and Dissolved	0.00001	mg/L
Chromium (Cr)-Total and Dissolved	0.0005	mg/L
Cobalt (Co)-Total and Dissolved	0.0001	mg/L
Copper (Cu)-Total	0.0005	mg/L
Copper (Cu)-Dissolved	0.0002	mg/L
Iron (Fe)-Total and Dissolved	0.01	mg/L
Lead (Pb)-Total and Dissolved	0.00005	mg/L
Lithium (Li)-Total and Dissolved	0.0002	mg/L
Magnesium (Mg)-Total and Dissolved	0.005	mg/L
Manganese (Mn)-Total and Dissolved	0.0001	mg/L
Molybdenum (Mo)-Total and Dissolved	0.00005	mg/L
Nickel (Ni)-Total and Dissolved	0.0005	mg/L
Potassium (K)-Total and Dissolved	0.05	mg/L
Rubidium (Rb)-Total and Dissolved	0.0002	mg/L
Selenium (Se)-Total and Dissolved	0.00005	mg/L
Silicon (Si)-Total	0.1	mg/L
Silicon (Si)-Dissolved	0.05	mg/L
Silver (Ag)-Total and Dissolved	0.00001	mg/L

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Parameter	Detection Limit	Units
Sodium (Na)-Total and Dissolved	0.05	mg/L
Strontium (Sr)-Total and Dissolved	0.0002	mg/L
Tellurium (Te)-Total and Dissolved	0.0002	mg/L
Thallium (Tl)-Total and Dissolved	0.00001	mg/L
Thorium (Th)-Total and Dissolved	0.0001	mg/L
Tin (Sn)-Total and Dissolved	0.0001	mg/L
Titanium (Ti)-Total and Dissolved	0.0003	mg/L
Tungsten (W)-Total and Dissolved	0.0001	mg/L
Uranium (U)-Total and Dissolved	0.00001	mg/L