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## Technical Review 11, Reduced Sampling Analyte List

1 message

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**Daniel Takami** <danieltakami@gmail.com>

Wed, Mar 1, 2023 at 12:07 PM

To: Patrick Lennberg - DNR <patrick.lennberg@state.co.us>

Cc: Sergio Rivera <sergio.rivera@novametallix.com>, Je'an-Paul Brewer <jpbrewer@nedmining.com>

Patrick,

Enclosed is the reduced groundwater sampling analyte list that was requested. Please let me know if you have any questions or need any additional information.

Respectfully,

**Daniel J. Takami**

President, Sustainable Metal Solutions, LLC

President, Nederland Mining Consultants Inc.

President, Grand Island Resources, LLC

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**2023.02.28 Signed Response to Technical Revision 11 DRMS Preliminary Adequacy Review .pdf**  
595K

Division of Reclamation, Mining & Safety  
c/o Mr. Patrick Lennberg  
1001 E 62nd Ave,  
Room 215  
Denver, CO 80216

**RE: GIR Responses to Preliminary Adequacy Review; Technical Revision (TR-11) – Request to Reduce the Groundwater Sampling Analyte List; Cross Gold Mine, Permit No. M-1977-410**

Dear Mr. Lennberg,

GIR appreciates the Division's letter dated February 28, 2023, in response to GIR's Technical Revision #11 (TR11).

The letter in reference indicates that *"On February 22, 2023, the Division of Reclamation, Mining and Safety (Division/DRMS) received a request for Technical Revision (TR-11) to reduce the groundwater sampling analyte list for the Cross Gold Mine, Permit No. M-1977-410. Please be advised that on March 24, 2023, the application for TR-11 may be deemed inadequate and denied unless the following item is addressed to the Division's satisfaction."*

**DRMS COMMENT:**

1. *Please provide an updated Table 4.1 Groundwater and Effluent Testing Parameters that reflects the requested reduction of analytes.*

**GIR RESPONSE:**

*The updated Table 4.1 Groundwater and Effluent Testing Parameters reflecting GIR's requested reduction of analytes is presented below for the Division's consideration.*

**TR11 Revised Table 4.1 Groundwater and Effluent Testing Parameters**

Parameter	Standard	Unit	Comments
Aluminum (Al)	5	mg/l	Dissolved
Antimony (Sb)	0.006	mg/l	Dissolved
Arsenic (As)	0.01	mg/l	Dissolved
Barium (Ba)	2	mg/l	Dissolved
Beryllium (Be)	0.004	mg/l	Dissolved
Beta and Photon Emitters	4	mrem/year	Std is in mrem/year; Lab reports pCi/l
Boron (B)	0.75	mg/l	Dissolved
Cadmium (Cd)	0.005	mg/l	Dissolved
Chloride (Cl)	250	mg/l	Dissolved
Chromium (Cr)	0.1	mg/l	Dissolved
Cobalt (Co)	0.05	mg/l	Dissolved
Copper (Cu)	0.2	mg/l	Dissolved
Cyanide [Free] (Cn)	0.2	mg/l	Total
Fluoride (F)	2	mg/l	Dissolved
Gross Alpha Particle Activity	15	pCi/l	--
Iron (Fe)	0.3	mg/l	Dissolved
Lead (Pb)	0.05	mg/l	Dissolved
Lithium (Li)	2.5	mg/l	Dissolved
Manganese (Mn)	0.05	mg/l	Dissolved
Mercury (inorganic) (Hg)	0.002	mg/l	Dissolved
Molybdenum (Mo)	0.21	mg/l	Dissolved
Nickel (Ni)	0.1	mg/l	Dissolved
Nitrate (NO3)	10	mg/l as N	Dissolved
Nitrate-NitriteTotal	10	mg/l as N	Dissolved
Nitrite (NO2)	1	mg/l as N	Dissolved
pH (field)	6.5 - 8.5	pH units	--
Selenium (Se)	0.02	mg/l	Dissolved
Silver (Ag)	0.05	mg/l	Dissolved
Sulfate (SO4)	250	mg/l	Dissolved
TDS	400	mg/l	Total
Thallium (Tl)	0.002	mg/l	Dissolved
Uranium (U)	0.0168 -0.03	mg/l	Dissolved
Vanadium (V)	0.1	mg/l	Dissolved
Zinc (Zn)	2	mg/l	Dissolved



M-1977-410  
March 1, 2023

GIR appreciates the opportunity to submit clarification regarding TR11. If you have any questions please let us know.

Respectfully

A handwritten signature in black ink that reads "Dan J. Takami".

Daniel J. Takami  
President, Grand Island Resources LLC  
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501.256.4444