

STATE OF
COLORADO

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

TR-15 Additional Information

Daniel Takami <danieltakami@gmail.com>

Wed, Sep 11, 2024 at 11:13 AM

To: Patrick Lennberg - DNR <patrick.lennberg@state.co.us>, Sergio Rivera <sergio.rivera@novametallix.com>, Je'an-Paul Brewer <jpbrewer@nedmining.com>, Richard Mittasch <rmittasch@nedmining.com>, Brooke Molson Moran <bmolsonm@g.emporia.edu>

Patrick,

Inclosed is the additional information that was requested for Technical Revision (TR-15).

Surface Water and Mine Effluent and Groundwater Sampling Analyte List for the Cross Gold Mine, Permit No. M-1977-410.

Respectfully,

Daniel J. Takami

President, Sustainable Metal Solutions, LLC

President, Grand Island Resources, LLC

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2024.09.11 TR15 - DRMS SW GW Additional Information - Signed.pdf
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Division of Reclamation, Mining & Safety
 c/o Mr. Patrick Lennberg
 1001 E 62nd Ave,
 Room 215
 Denver, CO 80216

RE: Additional Information Required, Preliminary Adequacy Review; Technical Revision (TR-15) – Request to Reduce the Surface Water, Mine Effluent and Groundwater Sampling Analyte List; Cross Gold Mine, Permit No. M-1977-410

Dear Mr. Lennberg:

Pursuant to the Division's TR-15 Preliminary Adequacy Review letter dated September 10, 2024, Grand Island Resources hereby provides the updated tables for Surface Water and Groundwater and Effluent Testing Analytes List that reflect what the Operator would be analyzing samples for once the requested reduction of analytes is approved.

Table 1 – Groundwater and Effluent Analyte List

17 Months of Data Oct 2022 - June 2024		Cross Well	Caribou Well	Cabin Well (Compliance)	Cross Portal	Caribou Portal
Analyte	Standard	percent ND	percent ND	Percent ND	percent ND	Percent ND
Aluminum (Al)	5	71%	24%	53%	47%	53%
Antimony (Sb)	0.006	94%	88%	94%	71%	65%
Arsenic (As)	0.01	94%	94%	100%	100%	65%
Barium (Ba)	2	0%	0%	0%	0%	6%
Beta and Photon Emitters	4	0%	0%	0%	0%	0%
Boron (B)	0.75	71%	65%	71%	65%	71%
Cadmium (Cd)	0.005	24%	100%	100%	0%	94%
Chloride (Cl)	250	0%	35%	6%	35%	41%
Copper (Cu)	0.2	0%	6%	94%	0%	76%
Gross Alpha Particle Activity	15	0%	0%	0%	0%	0%
Iron (Fe)	0.3	53%	24%	29%	18%	18%
Lead (Pb)	0.05	6%	6%	35%	0%	6%
Manganese (Mn)	0.05	29%	59%	0%	0%	29%
Molybdenum (Mo)	0.21	12%	94%	0%	0%	12%
Nitrate (NO3)	10	41%	47%	35%	59%	47%
Nitrate-Nitrite Total	10	0%	0%	0%	18%	18%
pH (field)	6.5 - 8.5	0%	0%	0%	0%	0%
Sulfate (SO4)	250	0%	0%	0%	0%	6%
TDS	400	0%	0%	0%	0%	6%
Uranium (U)	0.0168 -0.03	71%	94%	53%	0%	12%
Zinc (Zn)	2	0%	0%	0%	0%	6%

Table 2 – Surface Water Analytes List

	Sta 2202-01	Sta 2202-02
Analyte	percent ND	percent ND
Cadmium Total Recoverable	83%	38%
Copper Potentially Dissolved	0%	13%
Copper Total Recoverable	0%	13%
Field pH	0%	0%
Field Temperature	0%	0%
Iron Total Recoverable	0%	0%
Lead Potentially Dissolved	0%	0%
Lead Total Recoverable	0%	0%
Manganese Potentially Dissolved	0%	0%
Mercury	0%	0%
Nickel Potentially Dissolved	67%	75%
pH adj. to 25 deg C	0%	0%
Silver Potentially Dissolved	67%	63%
Specific Conductance	0%	0%
Specific Conductance Total	0%	0%
Temperature	0%	0%
Total Suspended Solids	33%	25%
Zinc	0%	0%
Zinc Potentially Dissolved	0%	0%

GIR appreciates the opportunity to submit clarification regarding our request for Technical Revision 15 (TR-15) to reduce the analyte list for surface water, mine effluent and groundwater samples collected once per quarter at the Cross Gold Mine, Permit No. M-1977-410.

Respectfully submitted,



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