

Appendix 41: 2022 NWB ConCORDING Table

Water Licence No. 2AM-MEL1631

Reference	Schedule B Annual Report Requirements	2021 Annual Report Reference
Construction	1	For structures constructed to withhold Water or Waste:
	1.a	An overview of methods and frequency used to monitor deformations, Seepage and geothermal responses
	1.b	A comparison of measured versus predicted performance
	1.c	A discussion of any unanticipated observations including changes in risk and mitigation measures implemented to reduce risk
	1.d	As-built drawings of all mitigation works undertaken
	1.e	Any changes in the design and/or as-built condition and respective consequences of any changes to safety, water balance and water quality
	1.f	Data collected from instrumentation used to monitor earthworks and an interpretation of that data
	1.g	A summary of maintenance work undertaken as a result of settlement or deformation of dikes, dams and berms
	1.h	The daily, monthly and annual flow volumes of any watercourse diverted during Construction activities and
	1.i	The daily, monthly and annual quantities of Seepage from dikes, dams and other structures in cubic metres
Water	2.	Monthly and annual volume of fresh Water obtained from Meliadine Lake.
	3.	Monthly and annual volume of fresh Water transferred to Meliadine Lake as a result of dewatering activities.
	4.	Monthly and annual volume of fresh Water obtained from Meliadine River for road dust suppression activities.
	5.	Updated Water Balance and Water Quality Forecast, as required under Part E, Item 13.
	6.	Summary of the Adaptive Management procedures implemented to minimize the discharges into Meliadine Lake during the pre-freshet, open-water and pre-freeze periods.
7.	Discussions on the available storage capacity for both saline and fresh Water, including the volumes of Water transported to Melvin Bay and the volumes of Water discharged to Meliadine Lake, as well as the projected volumes of water requiring storage in the upcoming year.	
8.	Discussion on the behavior of the Total Dissolved Solids (TDS) concentrations in surface Contact Water reporting to CP1 during the reported year, and, if any TDS concentration peaks are observed, identification of potential sources that might have contributed to higher loads of TDS.	
Waste	9.	Geochemical monitoring results including:
	9.a	Operational acid/base accounting and paste pH test work used for Waste Rock designation (PAG and NPAG rock)
	9.b	As-built volumes of Waste Rock used in Construction and sent to the Waste Rock Storage Facilities with estimated balance of acid generation to acid neutralization capacity in a given sample, as well as metal toxicity
	9.c	All monitoring data with respect to geochemical analyses on site and related to roads and quarries
	9.d	Leaching observations and tests on pit slope and dike exposure;
	9.e	Any geochemical outcomes or observations that could imply or lead to environmental impact;
	9.f	Geochemical data associated with tailings, cyanide leach residue, and bleed from the cyanide destruction process including an interpretation of the data
	9.g	Results related to the Borrow pits/ Quarries and roads, including the All-weather Access Road.
	10.	Update on the current capacity of the Tailings Storage Facility
	11.	Summary of quantities and analysis of Seepage and runoff monitoring from the Landfill, Landfarm, Waste Rock Storage Facilities, Borrow pits and Quarries

	12.	Summary report of all general Waste disposal activities including monthly and annual quantities in cubic metres of Waste generated and locations of disposal.	2022 Annual Report, Section 5.1
	13.	Report of Incinerator test results including the materials burned and the efficiency of the Incinerator as they relate to Water and the deposit of Waste into Water.	2022 Annual Report, Section 5.2
Spills	14.	List and description of all unauthorized discharges including volumes, spill report line identification number and summaries of follow-up actions taken.	2022 Annual Report, Section 6
Modifications	15.	Summary of modifications and/or major maintenance work carried out on all Water and Waste related structures and facilities.	2022 Annual Report, Section 9.3
Monitoring	16.	The results and interpretation of the Monitoring Program in accordance with Part D, Part I and Schedule I.	2022 Annual Report, Section 7.3
	17.	The results of monitoring related to the Environmental Management and Protection, including	2022 Annual Report, Section 7
	17.a	Aquatic Effects Monitoring Program	2022 Annual Report, Section 7.1
	17.b	Metal and Diamond Mining Effluent Regulation (MDMER) Mon	2022 Annual Report, Section 7.2
	17.c	Mine site Water quality monitoring, including Groundwater mc	2022 Annual Report, Section 7.3
	17.d	Visual AWAR Water quality monitoring	2022 Annual Report, Section 7.4
Closure	18.	Summary of any progressive reclamation and closure work undertaken, including photographic records of site conditions before and after completion of Operations, and an outline of any work anticipated for the next year, including any changes to implementation and scheduling.	2022 Annual Report, Section 8.1.1
	19.	Summary of on-going field trials to determine effective capping thickness for the Tailings Storage Facility and Waste Rock Storage Facilities for the purpose of long term environmental protection.	2022 Annual Report, Section 4.4.2
	20.	Updated estimate of the current restoration liability based on Project development monitoring, results of restoration research and any changes or modifications to the Appurtenant Undertaking.	2022 Annual Report, Section 8.2
Plans/Reports/Studies	21.	Summary of any studies requested by the Board that relate to Water use, Waste disposal or Reclamation, and a brief description of any future studies planned.	2022 Annual Report, Section 9.1
	22.	Where applicable, revisions as Addendums, with an indication of where changes have been made, for Plans, Reports, and Manuals.	2022 Annual Report, Section 9.2
	23.	Executive summary in English and Inuktitut for all updated plans, reports, or studies conducted under this Licence.	2022 Annual Report 2022 Annual Report Appendix 44
General	24.	Summary of actions taken to address concerns or deficiencies listed in the inspection reports and/or compliance reports filed by an Inspector.	2022 Annual Report, Section 10.2
Other	25.	Summary of public consultation and participation with local organizations and the residents of the nearby communities, including a schedule of upcoming community events and information sessions.	2022 Annual Report, Section 11
	26.	Any other details on Water use or Waste disposal requested by the Board by November 1st of the year being reported.	2022 Annual Report, Section 3.4 2022 Annual Report, Section 5.3

Water Licence No. 2BB-MEL1424

Reference	Reporting Requirement	2021 Annual Report Reference
6	The Licensee shall file an Annual Report on the Appurtenant Undertaking with the Board no later than March 31st of the year following the calendar year being reported, containing the following information:	2022 Annual Report
6.a	The daily, monthly and annual quantities in cubic metres of all freshwater obtained from Meliadine Lake at Monitoring Station MEL-1 and MEL-2;	2022 Annual Report, Section 3.1.1
6.b	The daily, monthly and annual quantities, in cubic metres, of Mine water pumped from the underground;	2022 Annual Report, Section 3.1.3
6.c	An estimate of the current volume of waste rock and ore stockpiled on site;	2022 Annual Report, Section 4.3
6.d	Tabular summary of all data generated under the Monitoring Program, Part J;	2021 Annual Report Appendix 7.3.1
6.e	A summary of modification and/or major maintenance work carried out on the Water Supply Facilities, Bulk Fuel Storage Facility, Bermed Fuel Containment Facilities, and Wastewater Treatment Facility, including all associated structures, and an outline of any work anticipated for the next year;	2022 Annual Report, Section 9.3
6.f	A list of unauthorized discharges and a summary of follow-up actions taken;	2022 Annual Report, Section 6
6.g	Any revisions to the Spill Contingency Plan, Site Water Management Plan, Used Water Management Plan, Waste Management Plan, Waste Rock and Ore Storage Plan, Landfill and Landfarm Management Plans, Abandonment and Restoration Plan, as required by Part B, Item 12, submitted in the form of an Addendum;	2022 Annual Report, Section 9.2
6.h	An updated estimate of the current Meliadine West Gold Project restoration and liability, as required under Part B, Item 3, based upon the results of the restoration research, project development monitoring, and any modifications to the site plan;	2022 Annual Report, Section 8.2
6.i	A summary of drilling/trenching activities and progressive reclamation of drill/trench sites;	2022 Annual Report, Section 2.1.1
6.j	Report all artesian flow occurrences as required under Part F, Item 6;	2022 Annual Report, Section 3.1.3
6.k	A description of all progressive and/or final reclamation work undertaken, including photographic records of site conditions before, during and after completion of operations;	2022 Annual Report, Section 8.1.1
6.l	A summary of any specific studies or reports requested by the Board, and a brief description of any future studies planned or proposed;	2022 Annual Report, Section 9.1
6.m	A summary of public consultation/participation, describing consultation with local organizations and residents of the nearby communities, if any were conducted; and	2022 Annual Report Section 11
6.n	Any other details on water use or waste disposal requested by the Board by November 1 of the year being reported.	2022 Annual Report, Section 3.4 2022 Annual Report, Section 5.3