2AMDOH1323 DRAFT Commitments List
January 28-29, 2016

Table 1: Summary of Commitments During NWB Technical Meeting

No	Issue	Commitment	Provided By	Received By	Due Date	Associated NWB Technical Comment
1	Concerns about the capacity of the TIA to accept saline groundwater	Receipt of memo from TMAC to detail TIA capacity	TMAC	NWB	3-Feb	ID# AANDC TC6
2	Satisfactory explanation of measures that will be implemented to ensure that water will not pond against the edges of the thermal rock fill pads after closure	Provide a letter to update the Interim closure plan to address any ponding of water near pads	TMAC	NWB	3- Feb	ID# AANDC TC10
3	The Tailings Management Plan should be revised to include the use of environmentally suitable chemical dust suppressants	Tailings management Plan needs to be revised to include procedures for the use of appropriate dust suppression products. Submit 6 months in advance of operations as per current water license	TMAC	NWB	30-Jun	ID# AANDC TC11
4	Water Treatment management and water treatment plans if the TIA storage capacity is insufficient due to not meeting discharge criteria	Receipt of memo from TMAC to detail TIA capacity	TMAC	NWB	3-Feb(see item 1)	ID# AANDC TC13
5	INAC questions whether storage volume is sufficient for increased waste rock storage	To confirm resolution of outstanding issue with INAC EA (i.e. that NIRB process will be adequate	INAC	TMAC	3-Feb	AANDC IR#12

2AMDOH1323 DRAFT Commitments List
January 28-29, 2016

No	Issue	Commitment	Provided By	Received By	Due Date	Associated NWB Technical Comment
	underground	to address)				
6	Final cover system design to be submitted prior to construction	Tailings Management Plan and TIA cover design; if progressive reclamation to be implemented provide engineer drawings in advance	TMAC	NWB	over Project Life	AANDC IR#14
7	Concern about interconnection between Madrid advanced Exploration Project in the Doris North Type "A" Water Licence	Confer with INAC EA group and confirm via email resolution of handling of Doris and Madrid Applications in the NWB/NIRB processes	INAC	all parties	3-Feb	AANDC IR#16
8	Require more information about surface water features along the effluent pipeline corridor that could be impacted if there was a leak/failure along the pipeline	Provide maps showing effluent pipeline corridor and nearby freshwater streams, ponds and lakes. Include topographic contours to show flow direction.	TMAC	NWB	60 days prior to construction with submission of engineer drawings	NWB-1
9	Require more information regarding spill response and spill prevention measures along the effluent pipeline corridor	Update Spill Response Plan to include measures to protect Doris Creek	TMAC	NWB	15 September or 90 days prior operation	NWB-2
10	Development of alternate strategies to manage saline groundwater contacted to the mine	TMAC to be updated meet MMER toxicity test; need land based storage (TIA?) (NIRB)	TMAC	ECCC		ID# EC- (supplement)

2AMDOH1323 DRAFT Commitments List
January 28-29, 2016

No	Issue	Commitment	Provided By	Received By	Due Date	Associated NWB Technical Comment
11	Development of monitoring locations, parameters and overall aquatic effects monitoring program	Regarding development of the Aquatic Monitoring Framework (AMF): a. Invite Parties, including the KIA, ECCC and INAC, to participate in the AMF Working Group. TMAC to send out invitations by **Feb 14**. Proposed meeting date: **week of Mar 14**	TMAC	KIA, ECCC, INAC	Invitations sent by – February 14 Meeting date – Week of March 14	
	Development of monitoring locations, parameters and overall aquatic effects monitoring program	b. Provide an outline of the AMF in its preliminary form in advance of submissions for the Technical Hearing **on or before Mar 14, 2016;**	TMAC	KIA, ECCC, INAC	On or before March 14	ID# EC-1 ID# EC-2 ID# EC-8 ID# KIA-12 ID# KIA-6 ID# KIA-8
	Development of monitoring locations, parameters and overall aquatic effects monitoring program	c. Ensure that the AMF includes monitoring the quality of the TIA and groundwater discharges and the waters of Roberts Bay for non CCME and MMER parameters.	TMAC	KIA, ECCC, INAC	Prior to completion of AMF	
	Development of monitoring locations, parameters and overall aquatic effects monitoring program	d. Through the Working Group, establish the list of parameters and frequency of monitoring that will support the objectives of the monitoring program.	TMAC	KIA, ECCC, INAC	Prior to completion of AMF	

2AMDOH1323 DRAFT Commitments List
January 28-29, 2016

No	Issue	Commitment	Provided By	Received By	Due Date	Associated NWB Technical Comment
12	Monitoring of water levels in Doris Lake, concern about reduced Lake levels due to inflow of water to underground mine	Calculate the area of potential drawdown beyond the natural range of ice	TMAC	DFO	Completed, pending DFO review Fieldwork – completed summer of 2016 Report due Q4 of 2016	ID# DFO 3.2.1 ID# KIA-13
13	Revision to Aquatic Effects Monitoring Program to include monitoring of water levels in Doris Lake and outflows, as well as threshold water levels beyond which additional mitigation measures must be taken to avoid serious harm to fish.	Conduct Doris Creek fisheries work in **summer of 2016**, with data and a report being available during **Q4 of 2016**.	TMAC	DFO	Q4 2016	ID# DFO 3.2.3
14	Demonstrate effluent discharge to Roberts Bay will not cause harm to marine life	Technical memo presenting the results of the near-field modeling for CCME parameters.	TMAC	INAC	29-Feb	ID# EC-3 ID# EC-4 ID# EC-5(KIA reference to be provided)
15	Demonstrate effluent discharge to Roberts Bay will not cause harm to marine life	Technical memo presenting the results for far field 3D hydrodynamic modelling for the most sensitive parameter (Chromium).	TMAC	INAC	29-Feb	ID# EC-3 ID# EC-4 ID# EC-5
16	Improving accuracy of	Provide the KIA and ECCC	TMAC	KIA and	3 Feb	ID# ECCC-4

2AMDOH1323 DRAFT Commitments List
January 28-29, 2016

No	Issue	Commitment	Provided By	Received By	Due Date	Associated NWB Technical Comment
	effluent quality modelling through sampling and analysis using lower detection limits for free cyanide, mercury and selenium	the water and load balance model sensitivity analysis and model results for additional parameters. KIA to provide additional information on this commitment		ECCC	29 Feb	ID# ECCC-5 ID# KIA 4 ID# KIA-5 ID# KIA-6 ID# KIA-11B
17						
18	Water and load balance model for exposed tailings beaches, provide the basis for the selection of the humidity cell tests release rates and demonstrate that this is appropriate (conservative) for both operations and post-closure	TMAC provided a sensitivity analysis of the water load balance using the 75th percentile for background concentrations and other input sources. INAC to provide direction on resolution of the issue			27-jan 3-Feb	ID# AANDC TC4