

RECEIVED

By Richard Dwyer at 5:21 pm, Mar 31, 2011

2011 ABANDONMENT AND RECLAMATION PLAN

Appendix H A&R Schedule

1 2		Fask Name	Duration	Q4	Q1	Q2 (J3	Q4 Q	1 Q2	Q3 Q4	Q1	Q2	2 Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4 Q1
2	l l	PROJECT SITE ABANDONMENT	15 days				- V	•																		
		Pre-abandonment shutdown	5 days																							
3	TT.	Drain, isolate and secure camp water systems	5 days				Ĭ																			
4	T	Drain, isolate and secure camp sewage treatment plant, lines and lagoons	5 days				i																			
	111	Drain, isolate and secure all fuel storage supply systems	5 days				i																			
	1	Isolate and secure all bulk fuel storage systems such that tanks and bladders are	5 days				i																			
		isolated and contained within secondary containment Secure all barreled fuel in secondary containment	5 days				u 8																			
		·	-																							
	III	Secure all hazardous waste in secondary containment	5 days																							
	111	Isolate and safely secure all mechanical and electrical elements	5 days																							
	111	BIMC declares bankruptcy and abandon (Oct 10, 2011)	1 day				<u> </u>	10/10																		
11	_	Post-Abandonment Inspection by QIA	10 days				, ,																			
	111	Commercial Flights (Ottawa - Iqaluit x2)	7 days																							
		Charter flight (Iqaluit - MR-MI-MR-Iqaluit)	7 days																							
		Inspection and secure critical areas at Mary River and Milne Inlet	7 days																							
15		Preliminary assessment to support closure design and future A&R execution	7 days					h																		
16		Seasonal shutdown at Mary River	1 day					19/10																		
17	III	Engineering Design and Execution Planning	1386 days																							
18	√ 1	BULK SAMPLE PIT	1 day		V		_																			
19	/	Decommission bulk sample pit	1 day		Ù																					
20		Remedial blasting for stability	1 day		į																					
21		Remedial excavation for stability	1 day		į																					
22	/	Runoff diversion around top of pit	1 day		į																					
23		Decommission explosives magazine	1 day		Ĭ																					
24	·	MINERAL EXPLORATION AREAS (DEPOSITS NO. 1, 2, 3)	12 days		*																					
25		Decommission mineral exploration areas	12 days										Ü													
26	III	Remove water lines from exploration areas	12 days										Ĭ													
27	1	Drill holes filled and residual castings cut	12 days																							
		Level pads, backfill sumps and grade to natural contours	12 days																							
	III	Prepare core for long-term site storage adjacent to airstrip	12 days																							
20		Inspection and final reclamation of exploration drill hole locations	12 days																							
	1	Decommission salt mixing stations	12 days																							
32	_	REMOTE SITES	12 days																							
33		Remote Sites	12 days																							
34	TI.	Inspection and final reclamation of geotechnical drill holes and test pit locations	12 days																							
		Removal of casing/thermistors	12 days																							
	III	Decommissioning of meteorological stations (3)	12 days																							
	III	Decommissioning of hydrology stations (4)	12 days																							
38	;	STOCKPILES	19 days																							
39		Mary River Stockpiles	19 days																							
		Contour weathered ore stockpile and pit access road on Deposit No. 1	7 days																							
		Grade weathered ore stockpiles at crusher area	7 days																							
	ŦŦ.	Haul and place cover on ore pad area at Mary River	10 days																							
43		Milne Inlet Stockpiles	16 days																							
44		Grade residual ore stockpiles at Milne Inlet	7 days																							
Project: A	\&R S	chedule Gantt_22Feb1 Task Progress			Sur	mmary	Ţ			External Tas	sks				Deadlin	e	+									
Date: Tue	22/0	2/11 Split Milestone	•		Pro	ject Summ	ary			External Mile	estone	♦		-												

					2011				2012		2013					2014				2015				2016			2017
	0	Task Name	Duration	Q4	Q1	Q2	2 Q3	Q4	Q1 Q2	Q3 Q	4 Q1	Q	2 (Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4 Q1
45		Haul and place cover on ore pad area at Milne Inlet	10 days																_								
46		CAMPS AND RELATED FACILITIES	578 days	I :																							
47		Site Contractor Decommissioning and Demobilization Mary River Camp	23 days																								
48		Decommission/Package mobile equipment	23 days																								
49	111	Ship material by land to Milne Inlet for shipment Yr. 2	23 days																								
50		Decommissioning Mary River camp	116 days												J												
51		Decommission 100 man Weatherhaven camp	7 days																								
52		Decommission stand alone accommodation / work tent camp (26 Weatherhaven tents)	7 days																								
53		Decommission stand alone accommodation / work tent camp (11 Norseman tents)	7 days																								
54		Decommission concrete sewage tanks	7 days	l :																							
55	111	Burn appropriate materials or Landfill	48 days																								
56	111	Ship material by land to Milne Inlet for shipment Yr. 3	48 days																								
57		Electronic support for all decommissioning work at Mary River and Milne Inlet	116 days																								
58		Organize material for shipment	289 days																								
59		Boart	16 days											•													
60	111	Nuna	24 days																								
61		Package BIM sea cans for backhaul	23 days																								
62	111	Decommission/Package 3 shops	24 days																								
63		Decommission/Package related infrastructure (lines, piping, associated small buildings)	47 days																								
64		General site cleanup	9 days										Ų														
65		Loader use for redirecting coarse clean up streams	5 days																								
66		Clean up residual fine waste on ground	4 days																								
67		Contouring & grading	12 days																								
68		Coarse contouring - Dozer	5 days											Ŀ													
69		Coarse contouring - loader and excavator	4 days											Ĺ													
70		Final grading	3 days																								
71		Decommission Refuge Sites	2 days										•	,													
72	111	Decommission refuge sites	2 days											ĺ													
73	_	Site Contractor Decommissioning and Demobilization Milne Inlet Camp	24 days											•													
		Decommission/Package Shanco Camp (10 trailers)	24 days																								
75		Decommission remaining mobile equipment	22 days																								
76		Decommission Milne Inlet camp (4 month operation @ Avg 4 person/day)	311 days							_																	
77		Decommission/Package other stand alone work tents (9 wood structure tents)	22 days																								
78	111	Truck waste from Milne Inlet Camp to Mary River Camp for land filling	46 days																								
79		Organize material for shipment	17 days																								
80	1	Nuna	17 days																								
81		BIM Barge Loader	17 days																								
82		Decommission/Package 1 shops	17 days																								
83		Decommission/Package related infrastructure (lines, piping, associated small buildings)	17 days																								
84		General site cleanup	22 days																•								
85		Loader use for redirecting coarse clean up streams	11 days																								
86		Clean up residual fine waste on ground	11 days																								
87		Contouring & grading	6 days																								
Project:	A&R S	Schedule Gantt_22Feb1 Task Progress			Su	umma	ry			External T					De	adline		+									
Date: Tu	e 22/0	O2/11 Split Milestone	♦		Pr	roject	Summary			External M	ilestone	♦															
								P	age 2																		

	T				2011				2012			2013				2014				2015				2016			2017
ID 😈	1	ask Name	Duration	Q4	Q1	Q2	Q3	Q4	Q1 Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4 Q1
88	_	Coarse contouring - Dozer	2 days															ļ.									
89	_	Coarse contouring - loader and excavator	2 days															—									
90		Final grading	2 days																								
91		Decommission Mid-Rail Camp	12 days										•														
92		Decommission stand alone accommodation / work tent camp	12 days																								
93		Decommission genset and incinerator	12 days																								
94	_	Decommission tent camp and related infrastructure (lines, piping, associated buildings)	12 days																								
95		Decommission lay down areas	12 days																								
96		General site cleanup	12 days																								
97		Fly waste from Mid Rail Camp to Mary River Camp for landfilling	12 days																								
98	_	Decommission Steensby Inlet Camp (14 Days @ 6 man camp)	12 days																								
99	•	Decommission/Package stand alone accommodation / work tent camp (25 wood structure tents)	12 days																								
100	4	Decommission/Package genset and incinerator	12 days																								
101		Decommission related infrastructure (lines, piping, associated buildings)	12 days																								
102	_	Decommission lay down areas	12 days																								
103	_	Decommission fuel storage (200 drums of fuel)	12 days																								
104	_	General site cleanup	12 days																								
105		Decommission remaining mobile equipment (4 pieces)	12 days																								
106		Organize material for shipment and sealift support	12 days																								
107	_	Steensby Port resupply by Helicopter	12 days																								
108	-	ROADS AND AIRSTRIPS	594 days																								
109	-	Freshet Management	573 days																								
110	-	Year 2 Field Activities	40 days																								
	-	Direct Freshet Management Cost	40 days																								
111	•	Year 3 Field Activities																									
	-	Direct Freshet Management Cost	40 days																								
113	•	-	40 days																								
114		Year 4 Field Activities	40 days																								
115	=	Direct Freshet Management Cost	40 days																								
116	_	Milne Inlet Tote Road Operation	49 days										_														
117	•	Operate Tote Road for shipments	49 days																								
118	_	#1 Deposit Haul Roads	7 days										, ,														
119		Inspect and repair any erosion on #1 Deposit Rd. and cross grade road	7 days																								
120		Stabilize inside ditches with cobble	7 days																								
121		Remove round culverts, install water bars and stabilize water crossings	7 days																								
122		Install safety berms restricting vehicle access at the location where the haul road enters the bulk sample pit	7 days																								
123	3	Re-grade pad & repair any erosion at #1 Deposit salt station	7 days																								
124	_	Milne Inlet Tote Road	64 days																								
125		Inspect and repair any erosion on Tote Road	64 days																								
126		Remove all box culvert crossings and stabilize slopes	64 days																								
127		Install water bars (road embankment cross cuts) at locations where the Tote	64 days																								
		Road is constructed into an enbankment to prevent erosion																									
128	•	Remove all round culvert crossings and stabilize slopes	64 days															_									
129	_	General Access Roads	7 days														T.										
130		Grade and contour road surfaces and remove culverts from access roads (explosives, landfill, sewage lagoon and water intake access road)	7 days																								
131		Airstrips	8 days																								
									: 			_		**				_									
Project: A&F	R S	chedule Gantt_22Feb1 Task Progress			Su	mmary				Extern	al Task	s			De	eadline		+									
Date: Tue 2	22/02	2/11 Split Milestone	•		Pro	oject Su	mmary			Extern	al Miles	stone															
									· · · · · · · · · · · · · · · · · · ·																		
								F	age 3																		

Inlet) 133 Fill in airs 134 BORROW/QUARF 135 2011 Geotech 136 Grade and co 137 Grade and co 138 Borrow materi 139 FUEL STORAGE 140 Mary River Fo	Mary River airstrip lighting (there is currently no lighting present at Milne rip lighting ditches & regrade at Milne Inlet and Mary River Y AREAS nical monitoring of permitted and road side borrow area reclamation tour primary borrow sites at Milne Inlet, Mary River, Midway and quarry tour road side borrow areas within alignment als from permitted borrow areas (m3) ACILITIES (BULK AND DRUMS)	Duration 7 days 2 days 289 days 5 days 23 days 23 days 23 days	Q4	Q1	Q2 Q	5 Q4	Q1	Q2	Q3 Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	QI	Q2	QS C	Q4 Q1
133 Fill in airs 134 BORROW/QUARE 135 2011 Geotech 136 Grade and co 137 Grade and co 138 Borrow materi 139 FUEL STORAGE 140 Mary River Fo	Y AREAS nical monitoring of permitted and road side borrow area reclamation tour primary borrow sites at Milne Inlet, Mary River, Midway and quarry tour road side borrow areas within alignment als from permitted borrow areas (m3)	289 days 5 days 23 days 23 days																							1
134 BORROW/QUARE 135 2011 Geotech 136 Grade and co 137 Grade and co 138 Borrow materi 139 FUEL STORAGE 140 Mary River Fo	Y AREAS nical monitoring of permitted and road side borrow area reclamation tour primary borrow sites at Milne Inlet, Mary River, Midway and quarry tour road side borrow areas within alignment als from permitted borrow areas (m3)	289 days 5 days 23 days 23 days										П													
135 2011 Geotech 136 Grade and co 137 Grade and co 138 Borrow materi 139 FUEL STORAGE Mary River Fo	tour primary borrow sites at Milne Inlet, Mary River, Midway and quarry tour road side borrow areas within alignment alls from permitted borrow areas (m3)	5 days 23 days 23 days						_																	
136 Grade and co 137 Grade and co 138 Borrow materi 139 FUEL STORAGE 140 Mary River F	tour primary borrow sites at Milne Inlet, Mary River, Midway and quarry tour road side borrow areas within alignment alls from permitted borrow areas (m3)	23 days 23 days																							
137 Grade and co 138 Borrow materi 139 FUEL STORAGE 140 Mary River Fo	tour road side borrow areas within alignment	23 days									_														
138 Borrow materi 139 FUEL STORAGE 140 Mary River F	als from permitted borrow areas (m3)																								
139 FUEL STORAGE 140 Mary River F		23 days																							
140 Mary River F	ACILITIES (BULK AND DRUMS)																								
-		329 days						V																	
1/11 Poture or	el Farm	277 days						V																	
141 Return ex	cess fuel at Mary River to Milne Inlet	10 days										•													
142 Drain, fol	, and containerize Mary River bladder tanks	11 days							•																
	Il geomembrane fuel liners, package and transport to Milne Inlet for ckhaul	11 days																							
144 Execute Mary Riv	ivil works to transport potential hydrocarbon contaminated soil from the r bulk fuel farm to the Milne Inlet landfarm	11 days																							
145 Execute	ivil works to transport potential hydrocarbon contaminated soil from r non-bulk fuel farm lined containment areas to the Milne Inlet landfarm	11 days																							
146 Recontou		11 days																							
147 Milne Inlet Fu	el Farm	329 days																							
148 Milne Inle	- Operate Oil water separation operation	34 days										•													
	Bulk Fuel Sealift Backhaul Support	5 days																							
	, and containerize Milne bladder tanks	5 days																							
151 Remove	iping from fuel farm	5 days																							
152 Remove	Il hazardous material/fuel storage geomembrane fuel liners and	5 days																							
	or sea-lift backhaul. (All lined berms except Milne Inlet Fuel Farm). ivil works to convert the fuel farm to hydrocarbon impacted soil landfarm	46 days																							
	ivil works to transport potential hydrocarbon contaminated soil from non-bulk fuel farm lined containment areas	3 days																							
155 Recontou	surface	5 days																							
156 WASTE MANAGE	MENT	380 days																							
157 Operate land	III	99 days																							
****	xisting landfill Berms including haulage	97 days																							
159 Borrow H	aulage required for operation of landfill to capacity	97 days																							
160 Borrow H	aulage required for capping landfill	98 days																							
161 Close La	dfill	1 day											30/	10											
162 Ship waste b	land Mary River to Milne Inlet	46 days																							
163 Prepare	nemicals for shipping	5 days																							
	cost of hazardous material in the South (except bulk contaminated soil)	11 days																							
165 Sewage - Ma	y River	296 days									$\overline{}$														
166 Decant s	wage lagoons	11 days						Ĭh				•													
	moval & transfer to landfill	6 days							•																
	oval & berm reclamation	8 days						ш				Ь													
169 Liner disp	osal	1 day									L														
170 Sewage - Mili	e	32 days																							
	wage lagoons	12 days										•													
	moval & transfer to landfill	5 days										7													
	oval & berm reclamation	9 days										h_													
Project: A&R Schedule Gantt_22l Date: Tue 22/02/11					ımary				External Tas				De	eadline		+									
Date. 140 22/02/11	Split Milestone	•		Proje	ect Summai	У			External Mile	estone •	•														
						F	Page 4																		

ID 📵	,	Task Name	Duration	Q4	2011 Q1	1 02	2 Q3		2012 Q1	02	Q3 Q	2013 4 Q1		Q3	04	2014 Q1	Q2	02		015 Q1	02 0	3 Q4	2016	Q2	Q3	2017 Q4 Q1
174	7	Liner disposal	1 day	Q4	Q1	Ų2	<u> </u>	Q4	QI	QZ	Q3 Q	4 Q1	QZ	1 43	Q4	Q I	Q2	Q3	Q4	Q1	QZ Q	3 Q4	Qi	Q2	Q3	Q4 Q1
175		CONTAMINATED SOIL	1112 days																							
176		Complete Phase 1 to Phase 3 Environmental Assessment for hydrocarbon	22 days							Y																
170	•	contaminated soil																								
177 €	Э.	Milne Inlet - Till hydrocarbon impacted soil each year for 4 years	828 days																							
182		Land freight cost for Year 6 backhaul sealift	5 days																							
183		Support for landfarm operation Year 3	6 days																							
184	i i	Third Party Consultant to verify site and landfarm clean up completion	6 days											Ī												
185		Support for landfarm operation Year 4	6 days											_			Į									
186	i i	Third Party Consultant to verify site and landfarm clean up completion	6 days															Ĭ								
187	_	Support for landfarm operation Year 5	34 days																			•				
188	=	Food and accommodations	34 days																			(
189		Year 4-6 commercial flights for labour	34 days																							
190		Fixed wing support	34 days																							
191		Third Party Consultant to verify site and land farm clean up completion	6 days																							
192		Support for landfarm operation Year 6	33 days																							
193		Food and accommodations	32 days																							
194	_	Year 4-6 commercial flights for labour	32 days																							
195		Fixed wing support	32 days																							
196		Third Party Consultant to verify site and land farm clean up completion	6 days																							
197	_	GENERAL SITE AREA	634 days																							
198		Civil contractor - Admin & Supervisory manpower	634 days																							
202		Site Management Supervision	634 days																							
206		SEALIFT MATERIALS	1139 days							_																
207	_	Freight Sealift Milne Inlet to Valleyfield Year 2	80 days																							
208	_	Shipment, loading and off loading	8 days																							
209		Land freight for 3rd party A&R contractor equipment and supplies from mobilization location to port of Valleyfield	22 days																							
210		Dedicated Charter Freight Sealift of 3rd part contractor equipment and supplies to Milne Inlet, and to demobilize contractor equipment currently located at MR and MI	8 days																							
211	1	Demobilize site by sealift contractor and specified BIM equipment currently	8 days																							
212	•	located at Mary River and Milne Inlet Land freight for site contactor and BIM owned equipment currently located at	2 days								Ĭ															
213		Mary River and Milne Inlet Freight Sealift Milne Inlet to Valleyfield Year 4	79 days																							
214		Shipment, loading and off loading	8 days																							
215		Land freight for material and supplies from mobilization location port in Valleyfield	22 days																							
216	i i	Dedicated Charter Freight Sealift for supply of year 5 and 6 material and supplies	6 days																							
217		Demobilize decommissioned material and 3rd party contractor equipment from Milne Inlet	8 days																							
218	i i	Land freight for decommissioned material and equipment from Valleyfield	2 days																							
219		Bulk Fuel Demobilization Sealift - Milne Inlet Year 2	4 days															•								
220		Dedicated charter - Bulk Fuel Tanker to backhaul bulk fuel to refinery for disposal	4 days								Ī															
221		Demobilize Freight Sealift Steensby Port to Valleyfield Year 3	21 days											T.												
222	1	Shipment, loading and off loading	5 days											Ĭ												
223		Vessel Costs Steensby - 1 freight backhaul sealift in 3	5 days											Ĭ												
224		Land Freight	5 days											Ĭ.	Ь											
225	_	Freight Sealift Milne Inlet to Valleyfield Year 6	31 days											Ш											VV	
I		Took			•		٠,				Evtore -1 T	ooks				Dood!:		1							· •	<u> </u>
Project: A& Date: Tue 2	&R S 22/∩	ichedule Gantt_22Feb1 Task Progress	•			ummar	•			_	External T		<u> </u>			Deadline										
-a.o. 10 0 2	/U	Split Milestone	•		Pr	roject S	Summary				External M	lilestone														
		'						F	Page 5																	



