

Appendix I:

2015 Marginal Closure and Reclamation Financial Security Estimate Addendum (H349000-1000-07-126-0020) (Change)





Baffinland Iron Mines Corporation Mary River Project

2015 Marginal Closure and Reclamation Financial Security Estimate Addendum

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Date	Rev.	Status	Prepared By	Checked By	Approved By	Approved By







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1. Purpose

The purpose of this document is to provide a summary of the additional financial security estimated to be required for work items described in the Mary River Project 2015 Work Plan Addendum or identified by relevant stakeholders as having a financial security impact that had not already been captured in previous estimates¹. The marginal increase proposed in this report is in addition to the marginal increase already proposed in the 2015 Marginal Closure and Reclamation Financial Security Estimate (H349000-1000-07-126-0019, Rev 0) that was developed to consider the 2015 Work Plan (original submission).

The description of the additional work activities are described in the Baffinland 2015 Work Plan Addendum. The process, applied rates, and regulatory context remain consistent as outlined in Section 1.2, 1.3, and 2.0 of the 2015 Marginal Closure and Reclamation Financial Security Estimate (H349000-1000-07-126-0019, Rev 0), respectively. Any items that were identified by relevant stakeholders as having a financial security impact but were not captured in previous estimates is outlined in Section 2.2.

The following outlines the structure of the 2015 Marginal Closure and Reclamation Financial Security Estimate Addendum (hereafter known as the '2015 Security Addendum'):

- Section 2 describes planned marginal activities captured under 2015 Security Addendum.
 Section 2.1 describes the captured activities associated with 2015 Work Plan Addendum and Section 2.2 captures items that were identified by relevant stakeholders as having a financial security impact but were not captured in previous estimates.
- Section 3 details the assumptions adopted for the purpose of the financial security estimate and their respective cost implications.
- Section 4 summarizes the cost associated with this addendum and the impact on the overall 'global' May River Project Financial Security Estimate.
- Section 5 lists supporting documentation that was used to determine costs and quantities for the purpose of the 2015 Security Addendum.

2. 2015 Additional Activities and Closure and Reclamation Cost Estimate

2.1 2015 Planned Activities under 2015 Work Plan Addendum

As described in both the 2015 Work Plan (Baffinland, October 31, 2014) and the 2015 Work Plan Addendum (Baffinland, December 12, 2014), additional planned work in 2015 is being conducted under the amended Project Certificate No.005, QIA Commercial Lease No.

¹ Previous reclamation security estimated for the Project is described in the 2014 Complete Project Financial Security Assessment (H349000-1000-07-126-0018, Rev. 1), and 2015 Marginal Closure and Reclamation Financial Security Estimate (H349000-1000-07-126-0019, Rev. 0)







Q13C301, Type 'A' Water Licence 2AM-MRY1325 and Type 'B' Water Licence 8BC-MRY1416.

Work items described in the Mary River Project 2015 Work Plan Addendum that had not already been previously captured include:

Mine Site

- Earthworks including extensions to existing accommodation pad, power generation pad and crusher pad to support one additional crusher spread.
- Earthworks to construct pads for ore haul workshop, truck wash facility, construction office and light vehicle parking lot.
- Construct concrete slabs and foundations for the ore haul workshop and welding shop extension. Construct concrete foundations and sump for truck wash building.
- Commence construction of the ore haul workshop, welding shop extension and ore haul truck wash building.
- Construction of a detour road around the existing facilities connecting the crusher pad to the Tote road.
- Expand the existing accommodation complex with additional 172 beds, including mine dry facilities, recreational and dining facilities.
- Install additional sewage treatment capacity.
- Modifications to increase capacity of existing potable water treatment plant.

Milne Inlet

- Earthworks including minor pads for maintenance shop, welding shop, truck wash building, as well as additional laydown area required as storage for 2015 Sealift equipment, supplies and materials.
- Construct concrete slabs and foundations for the maintenance shop and welding shop extension. Exterior concrete foundations and sump for truck wash building.
- Commence construction of the maintenance shop, welding shop extension and truck wash facility.
- Expand the existing accommodation complex with additional 120 beds, including mine dry facilities, recreational and dining facilities.
- Upgrade the existing sewage treatment plant.
- Modifications to increase capacity of existing potable water treatment plant.
- Install an additional hazardous waste containment cell.







2.2 2015 Planned Activities Not Previously Captured

As a secondary objective, the 2015 Security Addendum is intended to capture any items that were identified by relevant stakeholders as having a financial security impact but did not have a cost allocation previously. Items considered are:

- Additional Mobile Fuel Tanks (See 3.2.1.3 for more information).
- Mary River Mine Site Landfill Expansion (See 3.2.1.6 for more information).

3. 2015 Amendment Closure and Reclamation Cost Estimate

The marginal closure and reclamation financial security cost estimated to be required to account for the additional activities described in Section 2.1 and Section 2.2 is summarized in Section 4 and presented in Appendix A.

The 2015 Security Addendum to support the 2015 Work Plan Addendum (Baffinland, December 12, 2014) has been developed in accordance with principles, methodology, and closure objectives defined within the Mary River Project Interim Mine Closure and Reclamation Plan (BAF-PH1-830-P16-0012).

The 2015 Security Addendum was developed using the same set of assumptions, methodologies and outcomes used to determine the site specific unit costs and final direct and indirect costs allowances as described in the 2015 Marginal Reclamation and Closure Security Estimate (H349000-1000-07-126-0019, Rev 0).

3.1 Closure Scenario

The 2015 Security Addendum is based on a scenario that assumes all planned activities for 2015 Work Plan Addendum have taken place on site and all material/consumables (excluding fuel) that are mobilized to site in 2015 are in full inventory.

3.2 Assumptions

3.2.1 Direct Cost Assumptions

The following sections describe the assumptions used to establish the direct costs allocated in the 2015 Security Addendum. Please refer to Appendix A for details of this cost allocation based on the Estimate Breakdown Structure, Appendix B for locations of below noted facilities, and Appendix C for supporting documentation relating to estimated unit quantities.

All total dollar figures were rounded to nearest '000.

All costs in Canadian Dollars (CAD).

3.2.1.1 Grade and Re-Contour

The 2015 Security Addendum estimate allocates an additional \$266,000 in direct costs to account for a marginal increase of disturbed areas that would have to be graded and recontoured in an unforeseen closure scenario. This cost allocation is based on an additional 147,100 m² of disturbed areas not considered in previous estimates at a unit rate of \$1.81/m².







A summary of the marginal increase of costs associated with disturbed areas that would have to be graded and re-contoured in an unforeseen closure scenario is shown in Table 3-1.

Table 3-1: Summary of Marginal Increase of Disturbed Areas Requiring Grade and Re-Contour

Marginal Areas Requiring Grading and Re- Contouring	Unit Rate (\$/m²)	Quantity (m ²)	Cost (\$) ¹
Additional sealift laydown area at Milne Port		72,000	130,000
Crusher extension road at Mine Site		36,180	65,000
Additional site roads at Mine Site		1,120	2,000
Accommodation pad extension at Mine Site – West side	1.81	9,000	16,000
Accommodation pad extension at Mine Site – East Side	1.01	2,700	5,000
Utility pad extension at Mine Site (North West)		3,500	6,000
Utility pad extension at Mine Site (South West)		1,800	3,000
Infill between service and utility pads at Mine Site		20,800	38,000
	TOTAL	147,100	266,000

¹ Rounded to nearest '000

3.2.1.2 Liner Removal

The 2015 Security Addendum allocates an additional \$3,000 in direct costs to account for a marginal increase of area that would have to have liner removed in an unforeseen closure scenario. This cost allocation is based on an additional 972 m² of area with liner not considered in previous estimates at a unit rate of \$3.50/m². This area is attributed to:

Hazardous Waste Berm at Milne Port – 972 m².

NOTE: The 2015 Security Addendum does not included a direct cost associated with the grade and re-contouring of this area as it is planned to be constructed in an already developed laydown that was captured in the 2014 Complete Project Financial Security Assessment (H349000-1000-07-126-0018, Rev. 1). See Appendix B for location of the above noted facility.

3.2.1.3 Storage Tank Reclamation

The 2015 Security Addendum allocates an additional \$89,000, plus cover material application costs, to account for the marginal increase of storage tanks (non-fuel) associated with 2015 Work Plan Addendum. A summary of the marginal increase of security cost associated with storage tanks is shown in Table 3-2.

Table 3-2: Summary of Marginal Increase of Storage Tanks with Associated Unit Rates

Unit Rate Type	Unit Rate (\$/pcs)	Quantity (pcs)	Cost (\$) ¹
Light Tanks	2,148.33	14	30,000
Medium Tanks ²	7,387.31	8	59,000
		TOTAL	89,000

Rounded to nearest '000







²The 2015 Marginal Reclamation and Closure Security Estimate (H349000-1000-07-126-0019 Rev 0), Section 6.1.3 outlines the unit cost rate development for reclamation of a medium mobile diesel tank.

3.2.1.4 Buildings and Foundations

The 2015 Security Addendum allocates an additional \$1,372,000, plus cover material application costs, in direct costs to account for a marginal increase of buildings and foundations associated with the 2015 Work Plan Addendum. This marginal increase of buildings and foundations is itemized in the 2015 Work Plan Addendum – Master Building Matrix (H349001-1000-00-144-0001) as presented in Appendix C. This cost allocation is based on an additional footprint of buildings and foundations of 19,122 m². A summary of security costs associated with the marginal increase of buildings and foundations is shown in Table 3-3.

Table 3-3: Summary of Marginal Increase of Buildings and Foundation Areas with Associated Unit Rates

Unit Rate Type	Unit Rate (\$/m²)	Quantity (m ²)	Cost (\$) ¹
Modular Building – Not Contaminated	59.38	8,027	477,000
Modular Building – Contaminated	143.42	3,107	446,000
Foldaway Building – Contaminated	142.41	1,895	270,000
Demolish Pre-cast Foundation	38.47	2,267	87,000
Reclamation of Slab on Grade	33.11	1,041	34,000
Reclamation of Timber Cribbing	20.78	2,786	58,000
		TOTAL	1,372,000

¹ Rounded to nearest '000

Refer to Appendix A for an item by item breakdown of the allocation of direct cost relating to building and foundation reclamation and Appendix C for the 2015 Work Plan Addendum – Master Building Matrix (H349001-1000-00-144-0001).

3.2.1.5 Mechanical and Mobile Equipment

The 2015 Security Addendum allocates an additional \$605,000, plus cover material application costs, in direct costs to account for a marginal increase of mechanical and mobile equipment as itemized in the 2015 Work Plan Addendum – Mechanical and Mobile Equipment (H349001-1000-50-144-0001). This cost allocation is based on an additional 137 pieces of mechanical or mobile equipment. A summary of the marginal increase of costs associated with mechanical or mobile equipment and associated unit rates is shown in Table 3-4.

Table 3-4: Summary of Marginal Increase of Mechanical and Mobile Equipment with Associated Unit Rates

Unit Rate Type	Unit Rate (\$/pcs)	Quantity (pcs)	Cost (\$) ¹
Heavy Equipment	41,205.45	8	330,000
Medium Equipment	4,261.34	3	13,000
Light Equipment	1,980.80	1	2,000







Unit Rate Type	Unit Rate (\$/pcs)	Quantity (pcs)	Cost (\$) ¹
Heavy Mobile Equipment	2,618.87	79	207,000
Medium Mobile Equipment	1,494.13	19	28,000
Light Mobile Equipment	941.09	27	25,000
		TOTAL	605,000

¹ Rounded to nearest '000

Refer to Appendix A for an item by item breakdown of the allocation of direct cost relating to mechanical or mobile equipment reclamation and Appendix C for the 2015 Work Plan Addendum – Mechanical and Mobile Equipment List (H349001-1000-50-144-0001).

3.2.1.6 Packaged Equipment (Vendor Packages)

The 2015 Security Addendum allocates an additional \$21,000, plus cover material application costs, to account for the marginal increase of packaged equipment associated with 2015 Work Plan Addendum. Packaged equipment associated with the 2015 Work Plan Addendum is associated with the upgrade of the Mine Site Potable Water and Sewage Treatment Systems. A summary of the marginal increase of security cost associated this packaged equipment is shown in Table 3-5.

Table 3-5: Summary of Marginal Increase of Packaged Equipment with Associated Unit Rates

Unit Rate Type	Unit Rate (\$/pcs)	Quantity (pcs)	Cost (\$) ¹
Potable Water System	9,975.93	1	10,000
Sewage Treatment Plant	11,035.58	1	11,000
		TOTAL	21,000

Rounded to nearest '000

3.2.1.7 Fill application

The 2015 Security Addendum allocates an additional \$382,000 to account for application of cover material due to the marginal increase of demolition materials to be disposed of on-site and the planned expansion of the Mary River Mine Site Landfill. This cost allocation is based on an additional 8,617 m² of compacted material requiring fill application at an assumed disposal depth of six (6) meters. A summary of the marginal increase of fill application in the 2015 Security Addendum is shown in Table 3-6.

Table 3-6: Summary of Marginal Increase of Packaged Equipment with Associated Unit Rates

Unit Rate Type	Unit Rate (\$/m²)	Quantity (m ²)	Cost (\$) ¹
Fill Application – Demolition Materials	44.07	4,142	184,000
Fill Application – Landfill Expansion	44.37	4,475	199,000
		TOTAL	382,000

Rounded to nearest '000







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3.2.2 Indirect Cost Assumptions

The following section describes the assumptions used to establish the indirect costs allocated for the purpose of the 2015 Security Addendum. Unless noted otherwise, see the 2014 Complete Project Financial Security Assessment (H349000-1000-07-126-0018, Rev. 1) for further supporting information on the specific indirect unit rates and multipliers used below.

3.2.2.1 On-Site Fuel Demobilization and Reclamation Fuel Mobilization

The 2015 Security Addendum allocates an additional \$55,000 to account for the mobilization of fuel required for the marginal increase in reclamation activities captured in the 2015 Work Plan Addendum. No additional cost has been allocated in the 2015 Security Addendum for the de-mobilization of fuel as there is no increase of fuel storage on-site.

The additional \$55,000 allocation for fuel mobilization is based on the cost of mobilizing 50% of the fuel required for marginal reclamation and closure activities, including direct activities, power generation, and heat production. Direct marginal reclamation activities are estimated to require 130,142L of Type-1 fuel (see Appendix A). Marginal increases in camp operation during reclamation is estimated to require an additional 1,270 person-days on-site. Each person-day on site is assumed to consume 116L of Type-1 fuel for heat and power generation. Fuel mobilization rate is assumed to be \$0.40/L.

See Appendix A for itemized person-day and fuel consumption quantities.

3.2.2.2 Mobilization of Workers Required for Reclamation

The 2015 Security Addendum allocates an additional \$105,000 for worker mobilization. Detailed assumptions for mobilization of workers required for marginal closure and reclamation activities are:

- Person-hours required to complete direct cost related on-site marginal reclamation activities is estimated to be 12,698 hrs or 1,270 person-days (based on 10hr/day productivity). See Appendix A for itemized person-day allocations.
- Assume 70% of hires (889 person-days) are from southern communities and 30% (381 person-days) are from northern communities.
- Cost per person-day on site for worker mobilization from southern communities is \$85.45/person-day on-site.
- Cost per person-day on site for worker mobilization from northern communities is \$75.00/person-day on-site

3.2.2.3 Worker Accommodation & Camp Operation

The 2015 Security Addendum allocates an additional \$286,000 for worker accommodation and camp operation during marginal reclamation activities associated with the 2015 Work Plan Addendum. Assumptions for worker accommodation and camp operation are:

 Person-hours required to complete direct cost related on-site marginal reclamation activities is estimated to be 12,698 hrs or 1,270 person-days (based on 10hr/day productivity). See Appendix A for itemized person-day allocations.







 Cost for accommodation and camp operation is assumed to be \$225.50/person-day and includes camp maintenance, catering, housekeeping, and fuel costs.

3.2.2.4 Mobilization and Demobilization of Equipment and Materials

The 2015 Security Addendum allocates an additional \$274,000 to account for mobilization and demobilization of equipment and materials. These are indirect costs for moving equipment and materials to and from the reclamation site. The amount is based on Baffinland and Hatch's conservative assumption that mobilization and demobilization cost are estimated as 10% of total direct costs.

3.2.2.5 Engineering Fees

The 2015 Security Addendum includes an engineering, design and execution planning indirect cost allowance of \$107,000 or 3.9% of the total direct costs.

3.2.2.6 Supervision, Project Management and Contract Administration

The 2015 Security Addendum includes a project supervision, management and contract administration indirect cost allowance of \$257,000 or 9.4% of total direct costs, contaminated soil treatment costs, and post-closure monitoring costs. Project supervision, management and contract administration indirect costs include, but are not limited to:

- Contract strategy, administration and expediting;
- Construction logistics, planning, scheduling, supervision and manpower forecasts;
- Labour relations, safety;
- Field office management, temporary facilities;
- Materials receiving and warehousing;
- Progress monitoring, trending and reporting;
- Cost performance monitoring, trending and claims processing; and
- Quality assurance.

3.2.2.7 Contingency

The 2015 Security Addendum Estimate includes an additional contingency of \$425,000 or 12.5% of the total of direct costs, mobilization and demobilization of equipment and materials costs, worker accommodation and camp operation costs, and mobilization of workers costs.

3.2.3 Exclusions

The listed activities are recognized by Baffinland as being required to be conducted in an unforeseen closure and reclamation scenario but additional costs have not been included in the 2015 Security Addendum. No costs were allocated on the basis that it is Baffinland's position that the additional 2015 Work Plan Addendum activities do not warrant additional cost allocations for these activities. For detail on the indirect cost allocations attributed to these activities to date in previous estimates, see 2015 Marginal Closure and Reclamation







Financial Security Estimate (H349000-1000-07-126-0019, Rev. 0). Activities excluded from the 2015 Security Addendum are:

- Off-Site Disposal of Hazardous and Non-Hazardous Waste.
- Contaminated Soil Treatment.
- Closure and Post Closure Monitoring.

4. 2015 Marginal Reclamation and Closure Security Cost Summary

Table 4-1 presents the total closure and reclamation security posted to-date and proposed adjustments to be posted as a result of the 2014 Complete Project Financial Security Assessment (Column D), the 2015 Marginal Reclamation and Closure Security Estimate (Column F) and the 2015 Security Addendum (Column G). Table 4-2 presents a summary of the 2015 Security Addendum to support the 2015 Work Plan Addendum (Baffinland, December 12, 2014) in a categorized breakdown format.





Table 4-1: Mary River Project Total Closure and Reclamation Security Summary¹

	Α	В	С	D	E	F	G	Н	I
	Authorization	Liability	Pre-baseline Liability (\$)	2014 Re-Baseline ² (\$)	Difference (\$)	Marginal 2015 (\$)	2015 Security Addendum (\$)	Total (\$)	Adjustment to be posted (\$)
					D-C			D+F+G	E+F+G-Type B construction
1		IOL	40,231,000	38,886,000	(1,345,000)	2,236,000	4,248,000	45,370,000	4,992,000
2	Type A	Crown	166,000	-	(166,000)	-	0	0	(166,000)
3	2AM-MRY1325	Water	2,172,000	2,193,000	21,000	-	21,000	2,214,000	42,000
4		Land	38,225,000	36,693,000	(1,532,000)	2,236,000	4,227,000	43,156,000	4,784,000
5	Sul	ototal Type A	40,397,000	38,886,000	(1,511,000)	2,236,000	4,248,000	45,370,000	4,826,000
6	Tuno D	IOL	147,000		-	-	-	-	-
7	Type B Construction	Crown	-		-	-	-	-	-
8	2BC-MRY1416	Water	-	See note 3	-	-	-	-	-
9		Land	147,000		- 1	-	-	-	-
10	Subtotal Type B	Construction	147,000		-	-	-	-	-
11	D C	IOL	165,000	165,000	-	-	-	165,000	-
12	Type B Exploration	Crown	1,082,000	1,082,000	-	-	-	1,082,000	-
13	2BE-MRY1421	Water	18,000	18,000	-	-	-	18,000	-
14	ZDL-WIKT 14Z1	Land	1,229,000	1,229,000	-	-	-	1,229,000	-
15	Subtotal Type E	B Exploration	1,247,000	1,247,000	-	-		1,247,000	
16		IOL	-	-	-	-	-	-	-
17	DFO	Crown	3,566,000	3,566,000	-	-	-	3,566,000	-
18	DFO	Water	3,566,000	3,566,000	-	-	-	3,566,000	-
19		Land	-	-	-	-	-	-	-
20	9	Subtotal DFO	3,566,000	3,566,000	-	-	-	3,566,000	-
21	AANDC Land	IOL	-	-	-	-	-	-	-
22	Lease	Crown	-	5,931,000	5,931,000	-	-	5,931,000	5,931,000
23	47H/16-1-2	Water	-	-	-	-	_		-
24		Land	-	5,931,000	5,931,000	-]	-	5,931,000	5,931,000
25	Subtotal AANDO	C Land Lease	-	5,931,000	5,931,000	-		5,931,000	5,931,000
27	GF	RAND TOTAL	45,357,000	49,630,000	4,420,000	2,236,000	\$4,248,000	56,114,000	10,757,000

¹ All totals rounded to nearest '000 in CAD ² '2014 Re-baseline' refers to 2014 Complete Project Financial Security Assessment, H349000-1000-07-126-0018, Rev. 1

³ The reclamation costs associated to the Type 'B' Water Licence 2BC-MRY1416 was captured under 2014 Complete Project Financial Security Assessment. The current sum of \$147,000 posted under this licence is proposed to be reallocated under Type 'A' Water licence 2AM-MRY1325 upon amendment.





Table 4-2: 2015 Estimated Closure and Reclamation Security Detailed Summary¹

Cost	2014 Re- Baseline (\$) ²	2015 Marginal (\$)	2015 Security Addendum	Total for 2015 (\$)
Direct Cost				
Project Wide	873,000	54,000	184,000	1,110,000
Milne Port	9,931,000	-	759,000	10,690,000
Construction Facilities & Services	2,731,000	-	36,000	2,768,000
Mine Site	6,671,000	772,000	1,757,000	9,201,000
Tote Road	4,042,000	76,000	3,000	4,120,000
Mary River Exploration Activities	1,022,000	-	-	1,022,000
Total Direct Costs (\$)	25,270,000	902,000	2,739,000	28,911,000
				Indirect Cost
Off-Site Disposal of Waste & Material	1,969,000	-	-	1,969,000
Fuel Mobilization and Demobilization	3,098,000	33,000	55,000	3,186,000
Ammonium Nitrate (explosive material)	876,000	553,000	-	1,429,000
Contaminated Soil Treatment	234,000	-	-	234,000
Mobilization of Workers Required for Reclamation	996,000	54,000	105,000	1,155,000
Worker Accommodation & Camp Operation	2,630,000	148,000	286,000	3,064,000
Mobilization and Demobilization of Equipment and Materials by Sealift	2,425,000	90,000	274,000	2,789,000
Geotechnical Inspections	150,000	-	-	150,000
Project Environmental Site Assessment	90,000	-	-	90,000
Closure & Post Closure Monitoring	851,000	-	-	851,000
Engineering Fees	946,000	35,000	107,000	1,088,000
Supervision, Project Management & Contract Administration	2,381,000	165,000	257,000	2,803,000
Contingency	3,923,000	256,000	425,000	4,604,000
Mary River Exploration Activities	225,000	-	-	225,000
DFO Financial Security for Ore Dock	3,566,000	-	-	3,566,000
Total Indirect Costs (\$)	24,360,000	1,334,000	1,509,000	27,203,000
Total Cost (\$)	49,630,000	2,236,000	4,248,000	56,114,000

IOL	Crown Land	Water Liability	Land Liability				
1,110,000	-	-	1,110,000				
6,860,000	3,830,000	227,000	10,463,000				
2,768,000	-	-	2,768,000				
9,201,000	-	1,136,000	8,065,000				
4,120,000	-	-	4,120,000				
135,000	887,000	15,000	1,007,000				
24,194,000	4,717,000	1,378,000	27,533,000				
1,969,000	-	-	1,969,000				
3,186,000	_	-	3,186,000				
1,429,000	_	-	1,429,000				
234,000	-	-	234,000				
998,000	157,000	-	1,155,000				
2,649,000	415,000	-	3,064,000				
2,406,000	383,000	-	2,789,000				
150,000	-	-	150,000				
90,000	-	-	90,000				
851,000	-	851,000	-				
939,000	149,000	-	1,088,000				
2,427,000	376,000	-	2,803,000				
3,984,000	620,000	-	4,604,000				
30,000	195,000	3,000	222,000				
0	3,566,000	3,566,000	-				
21,341,000	5,862,000	4,420,000	22,783,000				
45,535,000	10,579,000	5,798,000	50,316,000				



¹All totals rounded to nearest '000 in CAD

² 2014 Re-baseline refers to 2014 Complete Project Financial Security Assessment, H349000-1000-07-126-0018, Rev. 1





5. Supporting Documents

In addition to information presented within this document, please refer to the following appendices for supporting information:

- Refer to Appendix A for 2015 Security Addendum Estimate Breakdown Structure.
- Refer to Appendix B for updated 2015 Work Plan Amendment Layouts of Milne Port and Mary River Mine Site.
- Refer to Appendix C for supporting documentation used for estimated quantities.
 Included is the 2015 Work Plan Addendum Mechanical and Mobile Equipment (H349001-1000-50-144-0001) and 2015 Work Plan Addendum Master Building Matrix (H349001-1000-00-144-0001).

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Appendix A: Estimate Breakdown Structure (EBS) for 2015 Work Plan Addendum

Mary River Project - 2015 S	ecurity Addendum - Estimate Breakdo	wn Structure'																			
Level 0 - Description	Level 1 - Description	Level 2 - Facility / Oystem Oystem C - C level 2 - Facility / C - C level 3 - Facility / C - C level 3 - Facility / C - C level 4 - Facility / C - C level 5 - Facility / C - C - C level 5 - Facility / C - C - C level 5 - Facility / C - C - C level 5 - Facility / C - C - C level 5 - Facility / C - C - C - C - C - C - C - C - C - C	Level 3 - Sub Facility (Sub System Facility Facilit	Equipment Type	odf. wouldnb-	Price Code Description	Qty Code	Area - QTY Code	QTY Code Description	Туре	Description Tag Number QTY	Unit	Manhours Per Unit Unit Fuel Consumption	Unit Labour	Unit Equipment Unit Rate	Total Fuel Consumption	Total Labour	Total Equipment Total Cost (\$)	Unit M3	IOL (%) Grown Land (%) Water Lability (%) Land Lability (%) IOL Cost (\$)	Water Liability Cost (6) License Associated Work Plan Type of Costs
1000 Project Wide	1100 General (Project Controls Use)	1100 General (Project Controls Use)	1100 General (Project Controls Use)		A2	Fill Application	Fill	Site Works	Fill Application	Fill Application		2.2 m2	0.2 2.0	22.2	22.2 44.4 1,01	3 8,397	91,766 9	2,017 183,782		100% 0% 0% 100% 183,782	Type A 0 0 183,782 2AM- 2015 A Direct MRY1325
2000 Milne Port	2100 General	Mobile Equipment	2140 Mobile Equipment	MO-	01	Light Mobile Equipment	01	Mobile Equipment	Light Mobile Equipment	Pick up	MOBILE EQUIPMENT - PICKUP TRUCK - FORD F350 10 L: 6274, W: 2665, H: 2032, 6350 kg	0.0 Ea	6.7 25.0	666.1	250.0 941.1 6	250	6,661	2,500 9,411	4.00 40	100% 0% 0% 100% 9,411	Type A 0 9,411 2AM- 2015 A Direct MRY1325
2000 Milne Port	2100 General	Mobile Equipment	2142 Mobile Materials Handling Equipment	MO-	03	Heavy Mobile Equipment	03	Mobile Equipment	Heavy Mobile Equipment	CAT 988H	MOBILE EQUIPMENT - STOCKPILE RECLAIM	2.0 Ea 1	13.0 120.0 1	298.9 1	,200.0 2,618.9 2	26 240	2,598	2,400 5,238	96.00 192	100% 0% 0% 100% 5,238	Type A 2015 A Direct MRY1325
2000 Milne Port	2100 General	Mobile Equipment	2143 Mobile Maintenance Equipment	MO-	О3	Heavy Mobile Equipment	03	Mobile Equipment	Heavy Mobile Equipment	Grader	MOBILE EQUIPMENT - GRADER - CAT 16M L: 9994, W: 3077, H: 3524, 24400 kg	1.0 Ea 1	13.0 120.0 1	298.9 1	,200.0 2,618.9 1	3 120	1,299	1,200 2,619	96.00 96	100% 0% 0% 100% 2,619	Type A 0 2,619 2AM- MRY1325 2015 A Direct
2000 Milne Port	2100 General	Mobile Equipment	2143 Mobile Maintenance Equipment	мо-	O2	Medium Mobile Equipment	O2	Mobile Equipment	Medium Mobile Equipment	telehandler	CARRIER CAT 1138	1.0 Ea 1	10.0 45.0	999.1	450.0 1,494.1 1	0 45	999	450 1,494	24.00 24	100% 0% 0% 100% 1,494	Type A 0 1,494 2AM- 2015 A Direct MRY1325
2000 Milne Port	2100 General	Mobile Equipment	2143 Mobile Maintenance Equipment	MO-	01	Light Mobile Equipment	01	Mobile Equipment	Light Mobile Equipment	Lights	MOBILE EQUIPMENT - MOBILE LIGHT PLANT - TEREX AL4 . 1: 4623, W: 2007, H: 9000, 925 kg	5.0 Ea	6.7 25.0	666.1	250.0 941.1 3	125	3,330	1,250 4,705	4.00 20	100% 0% 0% 100% 4,705	Type A 0 4,705 2AM- MRY1325 2015 A Direct
2000 Milne Port	2100 General	Mobile Equipment	2143 Mobile Maintenance Equipment	MO-	O2	Medium Mobile Equipment	O2	Mobile Equipment	Medium Mobile Equipment	Hwy Truck	MOBILE EQUIPMENT - SERVICE TRUCK - FREIGHTLINER	1.0 Ea 1	10.0 45.0	999.1	450.0 1,494.1	0 45	999	450 1,494	24.00 24	100% 0% 0% 100% 1,494	Type A 0 1,494 2AM- 2015 A Direct MRY1325
2000 Milne Port	2100 General	Mobile Equipment	2144 Mobile Site Services Equipment	МО-	01	Light Mobile Equipment	01	Mobile Equipment	Light Mobile Equipment	Pick up	MOBILE EQUIPMENT - AMBULANCE - FORD F350 L: 5715, W: 1752, H: 2032, 6350 kg	1.0 Ea	6.7 25.0	666.1	250.0 941.1	7 25	666	250 941	4.00 4	100% 0% 0% 100% 941	Type A 0 941 2AM- 2015 A Direct MRY1325
2000 Milne Port	2100 General	Mobile Equipment	2144 Mobile Site Services Equipment	MO-	О3	Heavy Mobile Equipment	03	Mobile Equipment	Heavy Mobile Equipment	Container Handle	MOBILE EQUIPMENT - CONTAINER HANDLER - r KALMAR DRF 450-6555 L: 11684, W: 3454, H: 2146, 72000 kg	1.0 Ea 1	13.0 120.0 1	298.9 1	,200.0 2,618.9	3 120	1,299	1,200 2,619	96.00 96	100% 0% 0% 100% 2,619	Type A 2AM- 2015 A Direct MRY1325
2000 Milne Port	2100 General	2140 Mobile Equipment	2144 Mobile Site Services Equipment	MO-	02	Medium Mobile Equipment	O2	Mobile Equipment	Medium Mobile Equipment	Hwy Truck	MOBILE EQUIPMENT - FREIGHT HAUL TRACTOR - WeSTERN STAR 4900	1.0 Ea 1	10.0 45.0	999.1	450.0 1,494.1 1	0 45	999	450 1,494	24.00 24	100% 0% 0% 100% 1,494	Type A 0 1,494 2AM- 2015 A Direct MRY1325
2000 Milne Port	2100 General	Mobile Equipment	2144 Mobile Site Services Equipment	MO-	O2	Medium Mobile Equipment	O2	Mobile Equipment	Medium Mobile Equipment	Large Trailer	MOBILE EQUIPMENT - LOWBOY TRAILER	1.0 Ea 1	10.0 45.0	999.1	450.0 1,494.1 1	0 45	999	450 1,494	24.00 24	100% 0% 0% 100% 1,494	Type A 0 1,494 2AM- 2015 A Direct MRY1325
2000 Milne Port	2100 General	2140 Mobile Equipment	2144 Mobile Site Services Equipment	MO-	01	Light Mobile Equipment	01	Mobile Equipment	Light Mobile Equipment	Trailer	MOBILE EQUIPMENT - HIBOYTRAILER, SEMI DUMP	1.0 Ea	6.7 25.0	666.1	250.0 941.1	7 25	666	250 941	4.00 4	100% 0% 0% 100% 941	Type A 0 941 2AM- 2015 A Direct
2000 Milne Port	2100 General	140 Mobile Equipment	2144 Mobile Site Services Equipment	MO-	O2	Medium Mobile Equipment	O2	Mobile Equipment	Medium Mobile Equipment	Peterbilt Truck	MOBILE EQUIPMENT - MAINTENANCE FUEULUBE TRUCK - PETERBILT	1.0 Ea 1	10.0 45.0	999.1	450.0 1,494.1 1	0 45	999	450 1,494	24.00 24	100% 0% 0% 100% 1,494	MRY1325 Type A 0 1,494 2AM- 2015 A Direct
2000 Milne Port	2100 General	2140 Mobile Equipment	2144 Mobile Site Services Equipment	MO-	О3	Heavy Mobile Equipment	03	Mobile Equipment	Heavy Mobile Equipment	CAT 740	MODILE FOLIDMENT, WATER TRUCK, CAT 740	1.0 Ea 1	13.0 120.0 1	298.9 1	,200.0 2,618.9 1	3 120	1,299	1,200 2,619	96.00 96	100% 0% 0% 100% 2,619	MRY1325 Type A 0 2,619 2AM- 2015 A Direct
2000 Milne Port	2300 Milne Port	2340 Stockpile	2340 Stockpile		A3	Grade & Re-Contour	A2	Site Works	Grade and Re-Contour	Grade and Conto		0.0 m2	0.0 0.1	1.3	0.4 1.8 91	4 10,530	91,367 2	3,551 130,341	0.00	100% 0% 0% 100% 130,341	MRY1325 Type B Construction 2015 A Direct
2000 Milne Port	2300 Material Handling	340 Stockpile	2341 Ore Stacking System	FE-	MM3	Heavy Equipment	MM3	Mechanical Equipment	Heavy Equipment	Mining Equipmen	FEEDER - STOCKPILE MOBILE FEEDER -	1.0 Ea 16	68.0 2.220.0 16	785.4 22	,200.0 41,205.4 16	8 2,220	16,785 2	2,200 41,205	56.00 56	100% 0% 0% 100% 41,205	MRY1416 Type A 2015 A Direct
2000 Milne Port	2300 Material Handling	-	2341 Ore Stacking System	ST-	MM3	Heavy Equipment	MM3	Mechanical Equipment	Heavy Equipment	Mining Equipmen	STACKER / STOCKPILE - STOCKPILE MOBILE				,200.0 41,205.4 16			2,200 41,205	56.00 56	100% 0% 0% 100% 41,205	MRY1325 Type A 0 41,205 2AM- 2015 A Direct
2000 Milne Port	2300 Material Handling	-	2342 Ore Reclaim System	CV-	03		02		Heavy Mobile Equipment		CONVEYING - JUMP CONVEYOR - MASABA				200.0 2.618.9 2	26 240		2,400 5,238	96.00 192		MRY1325 Type A 0 5,238 2AM- 2015 A Direct
		-				Heavy Mobile Equipment	03	Mobile Equipment			L: 230000, W: 1524						,	,			MRY1325 Type A
2000 Milne Port		340 Stockpile	2342 Ore Reclaim System		03	Heavy Mobile Equipment	03	Mobile Equipment	Heavy Mobile Equipment		CONVEYOR EEERED - DECLAIM MORILE EEERED - MASARA				,200.0 2,618.9 1	3 120		1,200 2,619	96.00 96	100% 0% 0% 100% 2,619	0 2,619 2AM- 2015 A Direct MRY1325 Type A
2000 Milne Port	2300 Material Handling	340 Stockpile	2342 Ore Reclaim System	FE-	ММЗ	Heavy Equipment	MM3	Mechanical Equipment	Heavy Equipment	Mining Equipmen	MINING EQUIPMENT	1.0 Ea 16	68.0 2,220.0 16	785.4 22	,200.0 41,205.4 16	8 2,220	16,785 2	2,200 41,205	56.00 56	100% 0% 0% 100% 41,205	0 41,205 2AM- 2015 A Direct MRY1325
2000 Milne Port	2500 Non Process Facilities	Accommodations Area	2511 Service Core	BLD	FF1	Modular Building Not Contaminated (480 ft2)	FS	Buildings (Not Contaminated)	Prefabricated Special Modular		Accommodation Service Core Extension - Demolish and Decontaminate Building - Special Modular / 2511-BLD- 001 200	0.0 m2	0.2 3.4	22.4	33.6 59.4 4	673	4,479	3,725 11,877	1.00 200	100% 0% 0% 100% 11,877	Type A 0 11,877 2AM- MRY1325 2015 A Direct
2000 Milne Port	2500 Non Process Facilities	Accommodations Area	2511 Service Core	BLD	EG	Gravel Base Removal	EG	Flooring / Foundations	Total Gravel Base		and foundations - Gravel Base - Skidded Building 001	0.0 m2	0.0	0.0	0.0 0.0	0 0	0	0 0	0.00	100% 0% 0% 100% 0	Type A 0 2AM- 2015 A Direct MRY1325
2000 Milne Port	2500 Non Process Facilities	Accommodations Area	2511 Service Core	BLD		#N/A	FW	Flooring / Foundations	Wood Floor		Accommodation Service Core Extension - Demolish 12511-BLD-1001 200	0.0 m2 0	0 0	0	0	0 0	0	0 0	0.00	100% 0% 0% 100% 0	Type A 0 0 2AM- 2015 A Direct MRY1325
2000 Milne Port	2500 Non Process Facilities	Accommodations Area	2511 Service Core	BLD	FF1	Modular Building Not Contaminated (480 ft2)	FS	Buildings (Not Contaminated)	Prefabricated Special Modular		Accommodation Change Rooms - Demolish and Decontaminate Building - Special Modular / 2511-BLD- 004 267	7.6 m2	0.2 3.4	22.4	33.6 59.4 6	900	5,993	3,997 15,889	1.00 268	100% 0% 0% 100% 15,889	Type A 2AM- MRY1325 2015 A Direct
2000 Milne Port	2500 Non Process Facilities	Accommodations Area	2511 Service Core	BLD	EG	Gravel Base Removal	EG	Flooring / Foundations	Total Gravel Base		Accommodation Change Rooms - Demolish and foundations - Gravel Base - Skidded Building 004 267	7.6 m2	0.0 0.0	0.0	0.0	0 0	0	0 0	0.00	100% 0% 0% 100% 0	Type A 0 2AM- 0 MRY1325 Direct
2000 Milne Port	2500 Non Process Facilities	Accommodations Area	2511 Service Core	BLD		#N/A	FW	Flooring / Foundations	Wood Floor		Accommodation Change Rooms - Demolish floor finish - 2511-BLD- Raised Steel or Wooden Floor 267	7.6 m2 0	0 0	0	0	0 0	0	0 0	0.00	100% 0% 0% 100% 0	Type A 0 0 2AM- 2015 A Direct MRY1325
2000 Milne Port	2500 Non Process Facilities	Accommodations Area	2511 Service Core	BLD	FF1	Modular Building Not Contaminated (480 ft2)	FS	Buildings (Not Contaminated)	Prefabricated Special Modular		Accommodation Exercise Facility - Demolish and Decontaminate Building - Special Modular / 005 200	0.7 m2	0.2 3.4	22.4	33.6 59.4 4	15 675	4,494	5,748 11,917	1.00 201	100% 0% 0% 100% 11,917	Type A 2AM- 2015 A Direct MRY1325
2000 Milne Port	2500 Non Process Facilities	Accommodations Area	2511 Service Core	BLD	EG	Gravel Base Removal	EG	Flooring / Foundations	Total Gravel Base		Accommodation Exercise Facility - Demolish and foundations - Gravel Base - Skidded Building 005	0.7 m2	0.0 0.0	0.0	0.0 0.0	0 0	0	0 0	0.00	100% 0% 0% 100% 0	Type A 0 0 2AM- 2015 A Direct
2000 Milne Port	2500 Non Process Facilities	Accommodations Area	2511 Service Core	BLD		#N/A	FW	Flooring / Foundations	Wood Floor		Assessmentation Francisco Facilità Describità Bassificiale OF44 DLD	0.7 m2 0	0 0	0	0	0 0	0	0 0	0.00	100% 0% 0% 100% 0	MRY1325 Type A 0 0 0 2AM- MRY1325
2000 Milne Port	2500 Non Process Facilities	Accommodations Area	2511 Service Core	BLD	FF1	Modular Building Not Contaminated (480 ft2)	FS	Buildings (Not Contaminated)	Prefabricated Special Modular		Accommodation Arctic Corridor Extension - Demolish and Decontaminate Building - Special Modular / 2511-BLD- 006 210	0.0 m2	0.2 3.4	22.4	33.6 59.4 4	706	4,703	7,061 12,471	1.00 210	100% 0% 0% 100% 12,471	Type A 2015 A Direct MRY1325
2000 Milne Port	2500 Non Process Facilities	Accommodations Area	2511 Service Core	BLD	EG	Gravel Base Removal	EG	Flooring / Foundations	Total Gravel Base		Accommodation Arctic Corridor Extension - Demolish and foundations - Gravel Base - Skidded Building 006 210	0.0 m2	0.0 0.0	0.0	0.0 0.0	0 0	0	0 0	0.00	100% 0% 0% 100% 0	Type A 0 2AM- 2015 A Direct MRY1325
2000 Milne Port	2500 Non Process Facilities	Accommodations Area	2511 Service Core	BLD		#N/A	FW	Flooring / Foundations	Wood Floor		Accommodation Arctic Corridor Extension - Demolish floor finish - Raised Steel or Wooden Floor 210	0.0 m2 0	0 0	0	0	0 0	0	0 0	0.00	100% 0% 0% 100% 0	Type A 0 2AM- 2015 A Direct MRY1325
2000 Milne Port	2500 Non Process Facilities	Accommodations Area	2512 Accommodation Wings	BLD	FF1	Modular Building Not Contaminated (480 ft2)	FS	Buildings (Not Contaminated)	Prefabricated Special Modular		Accommodation Wing BE - Demolish and Decontaminate Building - Special Modular / 005 611	1.6 m2	0.2 3.4	22.4	33.6 59.4 13	2,056	13,698 2),564 36,319	1.00 612	100% 0% 0% 100% 36,319	Type A Direct MRY1325
2000 Milne Port	2500 Non Process Facilities	Accommodations Area	2512 Accommodation Wings	BLD	EG	Gravel Base Removal	EG	Flooring / Foundations	Total Gravel Base		Accommodation Wing RE Demolish and foundations 2542 RLD	1.6 m2	0.0 0.0	0.0	0.0 0.0	0 0	0	0 0	0.00	100% 0% 0% 100% 0	Type A 0 0 2AM- 2015 A Direct
2000 Milne Port	2500 Non Process Facilities	Accommodations Area	2512 Accommodation Wings	BLD		#N/A	FW	Flooring / Foundations	Wood Floor			1.6 m2 0	0 0	0	0	0 0	0	0 0	0.00	100% 0% 0% 100% 0	MRY1325 Type A 0 2AM- 2015 A Direct
2000 Milne Port	2500 Non Process Facilities	Accommodations Area	2512 Accommodation Wings	BLD	FF1	Modular Building Not Contaminated (480 ft2)	FS	Buildings (Not Contaminated)	Prefabricated Special Modular		Accommodation Wing BF - Demolish and	1.6 m2	0.2 3.4	22.4	33.6 59.4 13	37 2,056	13,698 2	0,564 36,319	1.00 612	100% 0% 0% 100% 36,319	MRY1325 Type A 0 36,319 2AM- MRY1325 Direct MRY1325
2000 Milne Port	2500 Non Process Facilities	Accommodations	2512 Accommodation Wings	BLD	EG	Gravel Base Removal	EG	Flooring / Foundations	Total Gravel Base		Accommodation Wing BF - Demolish and foundations - 2512-BLD-	1.6 m2	0.0 0.0	0.0	0.0 0.0	0 0	0	0 0	0.00	100% 0% 0% 100% 0	Type A
	Facilities	Area	<u> </u>					1 -			Gravel Base - Skidded Building 006										0 0 2AM- 2015 A Direct MRY1325

Mary River Project - 2015 S	ecurity Addendum - Estimate Br	eakdown Structure'																										
Level 0 - Ocation Description	Level 1 - Description	Level 2 - Facility / System System Feren 5 - Description	Percent 3 - Sub Facility (Sub System 7 Sub System 7 Sub System 7 Sub System 7 Sub	Faultament Tone	Equipment Type	Price Code Description	Qty Code	Area - QTY Code	QTY Code Description	Туре	Description	Tag Number	ΩTY Š	Manhours Per Unit	Unit Fuel Consumption	Unit Labour	Unit Equipment Unit Rate	Total Manhours Total Fuel Consumption	Total Labour	Total Equipment	Total Cost (\$) Unit M3	Total Vol (m3)	Crown Land (%)	Water Liability (%) Land Liability (%)	IOL Cost (\$)	Water Liability Cost (\$) Land Liability Cost (\$)	License Associated Work	Plan Type of Costs
2000 Milne Port	2500 Non Process Facilities	2510 Accommodations Area	2512 Accommodation Wings	BLD		#N/A	FW	Flooring / Foundations	Wood Floor		Accommodation Wing BF - Demolish floor finish - Raised Steel or Wooden Floor	2512-BLD- 006	611.6 m2	0	0 0	0	0	0 0	0	0	0 0.00	0 1009	% 0% 0	0% 100%	0 0	0 0 2AM MR)	- 2015 A	Direct
2000 Milne Port	2500 Non Process Facilities	2510 Accommodations Area	2512 Accommodation Wings	BLD	FF1	Modular Building Not Contaminated (480 ft2)	FS	Buildings (Not Contaminated)	Prefabricated Special Modular		Accommodation Wing BG - Demolish and Decontaminate Building - Special Modular / Prefabricated	2512-BLD- 007	611.6 m2	0.2	3.4	22.4	33.6 59.4	137 2,056	13,698	20,564 36	,319 1.00	612 1009	% 0%	0% 100%	36,319 (0 36,319 Type 0 36,319 MRY	A 	Direct
2000 Milne Port	2500 Non Process Facilities	2510 Accommodations Area	2512 Accommodation Wings	BLD	EG	Gravel Base Removal	EG	Flooring / Foundations	Total Gravel Base		Accommodation Wing BG - Demolish and Decontaminate Building - Special Modular / Prefabricated	2512-BLD- 007	611.6 m2	0.0	0.0	0.0	0.0 0.0	0 0	0	0	0 0.00	0 1009	% 0% 0	0% 100%	0 0	0 0 0 2AM MRY		Direct
2000 Milne Port	2500 Non Process Facilities	2510 Accommodations Area	2512 Accommodation Wings	BLD		#N/A	FW	Flooring / Foundations	Wood Floor		Accommodation Wing BG - Demolish and Decontaminate Building - Special Modular / Prefabricated	2512-BLD- 007	611.6 m2	0	0 0	0	0	0 0	0	0	0 0.00	0 1009	% 0% 0	0% 100%	0 (0 0 0 2AM MRY		Direct
2000 Milne Port	2500 Non Process Facilities	2510 Accommodations Area	2512 Accommodation Wings	BLD	FF1	Modular Building Not Contaminated (480 ft2)	FS	Buildings (Not Contaminated)	Prefabricated Special Modular		Accommodation Wing BH - Demolish and Decontaminate Building - Special Modular / Prefabricated	2512-BLD- 008	611.6 m2	0.2	3.4	22.4	33.6 59.4	137 2,056	13,698	20,564 36	,319 1.00	612 1009	% 0%	0% 100%	36,319 (Type 0 36,319 2AM MRY		Direct
2000 Milne Port	2500 Non Process Facilities	2510 Accommodations Area	2512 Accommodation Wings	BLD	EG	Gravel Base Removal	EG	Flooring / Foundations	Total Gravel Base		Accommodation Wing BH - Demolish and Decontaminate Building - Special Modular / Prefabricated	2512-BLD- 008	611.6 m2	0.0	0.0	0.0	0.0 0.0	0 0	0	0	0 0.00	0 1009	% 0%	0% 100%	0 () 0 0 2AM MRY		Direct
2000 Milne Port	2500 Non Process Facilities	2510 Accommodations Area	2512 Accommodation Wings	BLD		#N/A	FW	Flooring / Foundations	Wood Floor		Accommodation Wing BH - Demolish and Decontaminate Building - Special Modular / Prefabricated	2512-BLD- 008	611.6 m2	0	0 0	0	0	0 0	0	0	0 0.00	0 1009	% 0% 0	0% 100%	0 (0 0 0 2AM MRY		Direct
2000 Milne Port	2500 Non Process Facilities	2520 Services Area	2521 Services Buildings	BLD	FF2-c	Fold Away Building Contaminated (480 ft2)	FFL-c	Buildings (Contaminated)	Fold Away Building		Maintenance Building #2 - Demolish and Decontaminate Building - Fold-away Building (Steel)	2521-BLD- 005	557.4 m2	0.6	2.4	56.0	84.1 142.4	312 1,312	31,212	46,858 79	,382 1.00	557 1009	% 0%	0% 100%	79,382		- 2015 A /1325	Direct
2000 Milne Port	2500 Non Process Facilities	2520 Services Area	2521 Services Buildings	BLD	СР	Precast Concrete Foundations (480 ft2)	CP CP	Flooring / Foundations	Precast Foundations		Maintenance Building #2 - Demolish and foundations - Precast Footing (Perimeter Beam)	2521-BLD- 005	557.4 m2	0.1	2.2	14.5	21.8 38.5	81 1,214	8,087	12,141 21	,442 0.75	418 1009	% 0% 0	0% 100%	21,442 (- 2015 A /1325	Direct
2000 Milne Port	2500 Non Process Facilities	2520 Services Area	2521 Services Buildings	BLD	cs	Slab on Grade - ASSUME 300mm thick	CS	Flooring / Foundations	Slab on Grade		Maintenance Building #2 - Demolish floor finish - Slab on grade C/W Drainage	2521-BLD- 005	557.4 m2	0.1	1.9	12.5	18.8 33.1	70 1,045	6,962	10,452 18	,458 0.00	0 1004	% 0% 0	0% 100%	18,458	0 18,458 2AM MR\		Direct
2000 Milne Port	2500 Non Process Facilities	2520 Services Area	2521 Services Buildings	BLD	FF2-c	Fold Away Building Contaminated (480 ft2)	FFL-c	Buildings (Contaminated)	Fold Away Building		Welding Shop Building #2 - Demolish and Decontaminate Building - Fold-away Building (Steel)	2521-BLD- 006	148.6 m2	0.6	2.4	56.0	84.1 142.4	83 350	8,323	12,495 21	,168 1.00	149 1009	% 0% 0	0% 100%	21,168	0 21,168 ZAM MRY		Direct
2000 Milne Port	2500 Non Process Facilities	2520 Services Area	2521 Services Buildings	BLD	СР	Precast Concrete Foundations (480 ft2)	CP	Flooring / Foundations	Precast Foundations		Welding Shop Building #2- Demolish and foundations - Precast Footing (Perimeter Beam)	2521-BLD- 006	148.6 m2	0.1	2.2	14.5	21.8 38.5	22 324	2,157	3,238 5	,718 0.75	111 1009	% 0% 0	0% 100%	5,718	0 5,718 Type 2AM MRY		Direct
2000 Milne Port	2500 Non Process Facilities	2520 Services Area	2521 Services Buildings	BLD	cs	Slab on Grade - ASSUME 300mm thick	cs	Flooring / Foundations	Slab on Grade		Welding Shop Building #2- Demolish floor finish - Slab on grade	2521-BLD- 006	148.6 m2	0.1	1.9	12.5	18.8 33.1	19 279	1,856	2,787 4	,922 0.00	0 1009	% 0% 0	0% 100%	4,922	0 4,922 ZAM MRN	- 2015 A	Direct
2000 Milne Port	2500 Non Process Facilities	2520 Services Area	2523 Services Area	BLD	FF2-c	Fold Away Building Contaminated (480 ft2)	FFL-c	Buildings (Contaminated)	Fold Away Building		Truck Wash (Repurposed Warehouse) - Demolish and Decontaminate Building - Fold-away Building (Steel)	2523-BLD- 001	371.6 m2	0.6	2.4	56.0	84.1 142.4	208 875	20,808	31,239 52	,921 1.00	372 1009	% 0% 0	0% 100%	52,921	0 52,921 ZAM MRY	A 2015 A	Direct
2000 Milne Port	2500 Non Process Facilities	2520 Services Area	2523 Services Area	BLD	СР	Precast Concrete Foundations (480 ft2)	CP	Flooring / Foundations	Precast Foundations		Truck Wash (Repurposed Warehouse) - Demolish and foundations - Precast Footing (Perimeter Beam)	2523-BLD- 001	371.6 m2	0.1	2.2	14.5	21.8 38.5	54 809	5,391	8,094 14	,295 0.75	279 100	% 0% (0% 100%	14,295 (- 2015 A /1325	Direct
2000 Milne Port	2500 Non Process Facilities	2520 Services Area	2523 Services Area	BLD	EG	Gravel Base Removal	EG	Flooring / Foundations	Total Gravel Base		Truck Wash (Repurposed Warehouse) - Demolish floor finish - Gravel	2523-BLD- 001	371.6 m2	0.0	0.0	0.0	0.0 0.0	0 0	0	0	0 0.00	0 1009	% 0% 0	0% 100%	0 (0 0 2AM MRY	A 2015 A	Direct
2000 Milne Port	2500 Non Process Facilities	2540 Waste Management (building and incinerator)	2540 Waste Management (building and incinerator)		A5	Liner Removal	A5	Site Works	Liner Removal	Liner Removal	Hazardous Waste Berm		972.0 m2	0.03	0.03	3.2	0.32 3.5	31 31	3,091	309 3	,400 0.00	0 1009	% 0% 0	0% 100%	3,400		2015 A 71325	Direct
2000 Milne Port	2700 Site Utilities	2710 Additional Tanks	2710 Additional Tanks	TK-	MT1	Light Tanks	MT1	Mechanical Equipment	Light Tanks		Additional Light Size tanks		5.0 Ea	9.7	107.5 9	65.8 1,	075.0 2,148.3	48 538	4,829	5,375 10	,742 1.00	5 1009	% 0% 0	0% 100%	10,742		struction 2015 A 71416	Direct
2000 Milne Port	2700 Site Utilities	2710 Additional Tanks	2710 Additional Tanks	TK-	MT2	Medium Tanks	MT2	Mechanical Equipment	Medium Tanks		Additional Medium Size tanks		3.0 Ea	31.0	390.0 3,0	97.3 3,	900.0 7,387.3	93 1,170	9,292	11,700 22	,162 2.00	6 1009	% 0%	0% 100%	22,162	0 22,162 Type Con: 2BC MRN	struction 2015 A	Direct
2000 Milne Port	2700 Site Utilities	2720 Water Systems	2720 Water Systems	TK-	MT1	Light Tanks	MT1	Mechanical Equipment	Light Tanks		TANK - POTABLE WATER STORAGE TANK (20 m3))	1.0 Ea	9.7	107.5 9	65.8 1,	075.0 2,148.3	10 108	966	1,075 2	,148 1.00	1 1009	% 0% 0	0% 100%	2,148	0 2,148 2AM MRY	- 2015 A /1325	Direct
2000 Milne Port	2700 Site Utilities	2720 Water Systems	2720 Water Systems	TK-	MT1	Light Tanks	MT1	Mechanical Equipment	Light Tanks		TANK - RAW WATER TANK (25 m3)		1.0 Ea	9.7	107.5 9	65.8 1,	075.0 2,148.3	10 108	966	1,075 2	,148 1.00	1 1009	% 0% 0	0% 100%	2,148	0 2,148 2AM MR\	- 2015 A	Direct
2000 Milne Port	2700 Site Utilities	2750 Power Distribution System	2750 Power Distribution System	BLD	FF1	Modular Building Not Contaminated (480 ft2)	FS	Buildings (Not Contaminated)	Prefabricated Special Modular		Accommodation Area E-House #3 - Demolish and Decontaminate Building - Special Modular / Prefabricated	2750-BLD- 008	37.2 m2	0.2	3.4	22.4	33.6 59.4	8 125	832	1,250 2	,207 1.00	37 100	% 0% 0	0% 100%	2,207		- 2015 A /1325	Direct
2000 Milne Port	2700 Site Utilities	2750 Power Distribution System	2750 Power Distribution System	BLD	EG	Gravel Base Removal	EG	Flooring / Foundations	Total Gravel Base		Accommodation Area E-House #3 - Demolish and foundations - Gravel Base - Skidded Building	2750-BLD- 008	37.2 m2	0.0	0.0	0.0	0.0 0.0	0 0	0	0	0 0.00	0 100	% 0% 0	0% 100%	0 (- 2015 A /1325	Direct
2000 Milne Port	2700 Site Utilities	2750 Power Distribution System	2750 Power Distribution System	BLD		#N/A	FW	Flooring / Foundations	Wood Floor		Accommodation Area E-House #3 - Demolish floor finish - Raised Steel or Wooden Floor	2750-BLD- 008	37.2 m2	0	0 0	0	0	0 0	0	0	0 0.00	0 1009	% 0% 0	0% 100%	0 0	0 0 0 2AM MRY		Direct
2000 Milne Port	2700 Site Utilities	2750 Power Distribution System	2750 Power Distribution System	BLD	FF1	Modular Building Not Contaminated (480 ft2)	FS	Buildings (Not Contaminated)	Prefabricated Special Modular		Services Area E-House #3 - Demolish and Decontaminate Building - Special Modular / Prefabricated	2750-BLD- 009	37.2 m2	0.2	3.4	22.4	33.6 59.4	8 125	832	1,250 2	,207 1.00	37 1009	% 0% 0	0% 100%	2,207	0 2,207 ZAM MRY	e A - - 1325	Direct
2000 Milne Port	2700 Site Utilities	2750 Power Distribution System	2750 Power Distribution System	BLD	EG	Gravel Base Removal	EG	Flooring / Foundations	Total Gravel Base		Services Area E-House #3 - Demolish and foundations Gravel Base - Skidded Building	- 2750-BLD- 009	37.2 m2	0.0	0.0	0.0	0.0 0.0	0 0	0	0	0 0.00	0 1009	% 0% 0	0% 100%	0 (- 2015 A /1325	Direct
2000 Milne Port	2700 Site Utilities	2750 Power Distribution System	2750 Power Distribution System	BLD		#N/A	FW	Flooring / Foundations	Wood Floor		Services Area E-House #3 - Demolish floor finish - Raised Steel or Wooden Floor	2750-BLD- 009	37.2 m2	0	0 0	0	0	0 0	0	0	0 0.00	0 1009	% 0% 0	0% 100%	0 (- 2015 A /1325	Direct
3000 Tote Road	3100 Tote Road	3130 Site Development	3130 Site Development	мо-	О3	Heavy Mobile Equipment	03	Mobile Equipment	Heavy Mobile Equipment	45 MT	MOBILE EQUIPMENT -EXCAVATOR - CAT M322D		1.0 Ea	13.0	120.0 1,2	98.9 1,	200.0 2,618.9	13 120	1,299	1,200 2	,619 96.00	96 1004	% 0% 0	0% 100%	2,619		- 2015 A /1325	Direct
4000 Mine Site	4100 Mine Site	4130 Site Development	4133 Ore Crushing and Loading		А3	Grade & Re-Contour	A2	Site Works	Grade and Re-Contour	Grade and Conto	ur Crusher extension Pad		36,180.0 m2	0.01	0.1	1.3	0.4 1.8	159 5,291	45,912	14,347 65	,496 0.00	0 100	% 0% 0	0% 100%	65,496		- 2015 A /1325	Direct
4000 Mine Site	4100 Mine Site	4130 Site Development	4139 Site Roads		А3	Grade & Re-Contour	A2	Site Works	Grade and Re-Contour	Grade and Conto	ur Site Roads		1,120.0 m2	0.0	0.1	1.3	0.4 1.8	14 164	1,421	444 2	,028 0.00	- 1009	% 0% 0	0% 100%	2,028	0 2,028 2AM MRY	- 2015 A /1325	Direct
4000 Mine Site	4100 General	4140 Mobile Equipment	4141 Mine Mobile Equipment	MO-	О3	Heavy Mobile Equipment	03	Mobile Equipment	Heavy Mobile Equipment	Haul Truck	MOBILE EQUIPMENT - CAT 777 DUMP BOX		2.0 Ea	13.0	120.0 1,2	98.9 1,	200.0 2,618.9	26 240	2,598	2,400 5	,238 96.00	192 1009	% 0% 0	0% 100%	5,238		- 2015 A /1325	Direct
4000 Mine Site	4100 General	4140 Mobile Equipment	4141 Mine Mobile Equipment	MO-	O2	Medium Mobile Equipment	02	Mobile Equipment	Medium Mobile Equipment	COMPACTOR	MOBILE EQUIPMENT - COMPACTOR - CAT CP563E □		1.0 Ea	10.0	45.0 9	99.1	450.0 1,494.1	10 45	999	450 1	,494 24.00	24 100	% 0% 0	0% 100%	1,494 (Type 0 1,494 2AM MRY	- 2015 A /1325	Direct
4000 Mine Site	4100 General	4140 Mobile Equipment	4141 Mine Mobile Equipment	MO-	03	Heavy Mobile Equipment	03	Mobile Equipment	Heavy Mobile Equipment	Haul Truck	MOBILE EQUIPMENT - MINE HAUL TRUCK - CAT 777G L: 10445, W: 6706, H: 5840, 75200 kg		6.0 Ea	13.0	120.0 1,2	98.9 1,	200.0 2,618.9	78 720	7,793	7,200 15	,713 96.00	576 1009	% 0% 0	0% 100%	15,713		- 2015 A /1325	Direct
4000 Mine Site	4100 General	4140 Mobile Equipment	4141 Mine Mobile Equipment	МО-	03	Heavy Mobile Equipment	03	Mobile Equipment	Heavy Mobile Equipment	Grader	MOBILE EQUIPMENT - MINE SITE GRADER - CAT 16M L: 9994, W: 3077, H: 3524, 24400 kg		1.0 Ea	13.0	120.0 1,2	98.9 1,	200.0 2,618.9	13 120	1,299	1,200 2	,619 96.00	96 1009	% 0% 0	0% 100%	2,619		- 2015 A /1325	Direct
4000 Mine Site	4100 General	4140 Mobile Equipment	4141 Mine Mobile Equipment	MO-	01	Light Mobile Equipment	01	Mobile Equipment	Light Mobile Equipment	Pick up	MOBILE EQUIPMENT - PICKUP TRUCK - FORD F350 L: 6274, W: 2665, H: 2032, 6350 kg		2.0 Ea	6.7	25.0 6	66.1	250.0 941.1	13 50	1,332	500 1	,882 4.00	8 1009	% 0% 0	0% 100%	1,882	0 1,882 2AM MRY		Direct

Mary River Project - 2015 S	curity Addendum - Estimate Break	kdown Structure'																									
eation Company	Level 1 - Description	Level 2 - Facility / System System Description	Flevel 3 - Description	Equipment Type		Price Code Description	Qty Code	Area - QTY Code	QTY Code Description	Туре	Description Tag Number QTY	Unit	Manhours Per Unit	Consumption Unit Labour	Unit Equipment	Unit Rate	Total Manhours Total Fuel Consumption	Total Labour	Total Equipment	Unit M3	Total Vol (m3)	Crown Land (%)	Water Liability (%) Land Liability (%)	IOL Cost (\$) Crown Land Cost (\$)	Water Liability Cost (\$) Land Liability Cost (\$)	License Associated Work Plan	Type of Costs
4000 Mine Site	4100 General	4140 Mobile Equipme	nt 4141 Mine Mobile Equipment	MO-	O2	Medium Mobile Equipment	O2	Mobile Equipment	Medium Mobile Equipment	Dozer	MOBILE EQUIPMENT - MINE SITE TRACK DOZER - CAT D9T 1 L: 6630, W: 4310, H: 3815, 78000 kg	.0 Ea	10.0	45.0 999.1	450.0	1,494.1	10 45	999	450 1,4	4 24.00	24 100%	0% 0°	100%	1,494 0	0 1,494 Type A 2AM- MRY132	2015 A	Direct
4000 Mine Site	4100 General	4140 Mobile Equipme	nt 4141 Mine Mobile Equipment	MO-	O2	Medium Mobile Equipment	O2	Mobile Equipment	Medium Mobile Equipment	Sandvik Drill	MOBILE EQUIPMENT - PIONEER DRILL - SANDVIK DX780 1	.0 Ea	10.0	45.0 999.1	450.0	1,494.1	10 45	999	450 1,4	4 24.00	24 100%	0% Of	100%	1,494 0	0 1,494 ZAM- MRY132	2015 A	Direct
4000 Mine Site	4100 General	4140 Mobile Equipme	nt 4141 Mine Mobile Equipment	MO-	O2	Medium Mobile Equipment	O2	Mobile Equipment	Medium Mobile Equipment	Sandvik Drill	MOBILE EQUIPMENT - PIONEER DRILL - SANDVIK SDX800 1	.0 Ea	10.0	45.0 999.1	450.0	1,494.1	10 45	999	450 1,4	4 24.00	24 100%	0% 0'	100%	1,494 0	Type A 0 1,494 2AM-	2015 A	Direct
4000 Mine Site	4100 General	4140 Mobile Equipme	nt 4141 Mine Mobile Equipment	MO-	03	Heavy Mobile Equipment	03	Mobile Equipment	Heavy Mobile Equipment	FEL	MOBILE FOUIPMENT - PRODUCTION FRONT END LOADER - CAT 992K 1: 16877, W: 6000, H: 7000, 100000 kg	.0 Ea	13.0 1:	20.0 1,298.9	1,200.0	2,618.9	13 120	1,299	1,200 2,6	9 96.00	96 100%	0% 0%	100%	2,619 0	MRY132 Type A 0 2,619 2AM- MRY132	2015 A	Direct
4000 Mine Site	4100 General	4140 Mobile Equipme	nt 4141 Mine Mobile Equipment	MO-	03	Heavy Mobile Equipment	03	Mobile Equipment	Heavy Mobile Equipment	Drill	MOBILE EQUIPMENT - SINGLE PASS	.0 Ea	13.0 1:	20.0 1,298.9	1,200.0	2,618.9	13 120	1,299	1,200 2,6	9 96.00	96 100%	0% 09	0% 100%	2,619 0	Type A 0 2,619 2AM-	2015 A	Direct
											L: 14280, W: 4010, H: 4590, 56800 kg MOBILE EQUIPMENT - SITE MAINTENANCE MID											_			MRY132		
4000 Mine Site	4100 General	4140 Mobile Equipme	ht 4142 Mobile Materials Handling Equipment	MO-	03	Heavy Mobile Equipment	03	Mobile Equipment	Heavy Mobile Equipment	45 MT	L: 11910, W: 3490, H: 3770, 45000 kg	2.0 Ea	13.0 1:	20.0 1,298.9	1,200.0	2,618.9	26 240	2,598	2,400 5,2	96.00	192 100%	0% 09	100%	5,238 0	0 5,238 2AM- MRY132	2015 A	Direct
4000 Mine Site	4100 General	4140 Mobile Equipme	nt 4142 Mobile Materials Handling Equipment	MO-	03	Heavy Mobile Equipment	O3	Mobile Equipment	Heavy Mobile Equipment	Grader	MOBILE EQUIPMENT - GRADER - CAT 16M L: 9994, W: 3077, H: 3524, 24400 kg	.0 Ea	13.0 1	20.0 1,298.9	1,200.0	2,618.9	13 120	1,299	1,200 2,6	9 96.00	96 100%	0% 09	100%	2,619 0	0 2,619 2AM- MRY132	2015 A	Direct
4000 Mine Site	4100 General	4140 Mobile Equipme	nt 4142 Mobile Materials Handling Equipment	MO-	03	Heavy Mobile Equipment	03	Mobile Equipment	Heavy Mobile Equipment	CAT 988H	FRONT END LOADER - CAT 988H, L: 10390, W: 3600, H: 4115, 43400 kg	2.0 Ea	13.0 1	20.0 1,298.9	1,200.0	2,618.9	26 240	2,598	2,400 5,2	96.00	192 100%	0% 09	100%	5,238 0	0 5,238 2ÁM- MRY132	2015 A	Direct
4000 Mine Site	4100 General	4140 Mobile Equipme	nt 4142 Mobile Materials Handling Equipment	мо-	03	Heavy Mobile Equipment	03	Mobile Equipment	Heavy Mobile Equipment	CAT 988H	L: 3277, W: 1676, H: 3810, 3175 kg	2.0 Ea	13.0 1	20.0 1,298.9	1,200.0	2,618.9	26 240	2,598	2,400 5,2	96.00	192 100%	0% 09	100%	5,238 0	0 5,238 Type A 2AM- MRY132	2015 A	Direct
4000 Mine Site	4100 General	4140 Mobile Equipme	nt 4142 Mobile Materials Handling Equipment	MO-	О3	Heavy Mobile Equipment	03	Mobile Equipment	Heavy Mobile Equipment	Haul Truck trailer	L: 10240, W: 3060, H: 4210	'.0 Ea	13.0 1	20.0 1,298.9	1,200.0	2,618.9 2	21 2,040	22,081	20,400 44,5	1 96.00 1,	632 100%	0% 09	100%	44,521 0	0 44,521 Type A 2AM- MRY132	2015 A	Direct
4000 Mine Site	4100 General	4140 Mobile Equipme	nt 4142 Mobile Materials Handling Equipment	мо-	03	Heavy Mobile Equipment	03	Mobile Equipment	Heavy Mobile Equipment	Haul Truck trailer	MOBILE EQUIPMENT - TOTE ROAD ORE HAUL TRUCK - PUP TRAILER - SMITHCO S4 (75T) L: 10240, W: 3060, H: 4210	.0 Ea	13.0 1	20.0 1,298.9	1,200.0	2,618.9 2	47 2,280	24,679	22,800 49,7	9 96.00 1,	824 100%	0% 0%	100%	49,759 0	0 49,759 Type A 2AM- MRY132	2015 A	Direct
4000 Mine Site	4100 General	4140 Mobile Equipme	nt 4142 Mobile Site Services Equipment	мо-	О3	Heavy Mobile Equipment	03	Mobile Equipment	Heavy Mobile Equipment	Hwy Truck	TRUCK - TRACTOR - WESTERN STAR 6900XD	i.0 Ea	13.0 1	20.0 1,298.9	1,200.0	2,618.9 1	95 1,800	19,483	18,000 39,2	3 96.00 1,	.440 100%	0% 0%	100%	39,283 0	Type A 0 39,283 2AM- MRY132	2015 A	Direct
4000 Mine Site	4100 General	4140 Mobile Equipme	nt 4143 Mobile Maintenance Equipment	MO-	01	Light Mobile Equipment	01	Mobile Equipment	Light Mobile Equipment	Pick up	MOBILE EQUIPMENT - FLAT DECK TRUCK - FORD F550 L: 7264, W: 2418, H: 2022, 3311 kg	2.0 Ea	6.7	25.0 666.1	250.0	941.1	13 50	1,332	500 1,8	2 4.00	8 100%	0% 09	100%	1,882 0	Type A 0 1,882 2AM- MRY132	2015 A	Direct
4000 Mine Site	4100 General	4140 Mobile Equipme	nt 4143 Mobile Maintenance Equipment	MO-	O2	Medium Mobile Equipment	O2	Mobile Equipment	Medium Mobile Equipment	telehandler	MODILE COLUMNENT INTECRATED TOOL	.0 Ea	10.0	45.0 999.1	450.0	1,494.1	10 45	999	450 1,4	4 24.00	24 100%	0% 09	100%	1,494 0	0 1,494 Type A 0 1,494 AM- MRY132	2015 A	Direct
4000 Mine Site	4100 General	4140 Mobile Equipme	nt 4143 Mobile Maintenance Equipment	MO-	01	Light Mobile Equipment	01	Mobile Equipment	Light Mobile Equipment	Lights	MOBILE EQUIPMENT - LARGE MOBILE LIGHT PLANT - TEREX 5 L: 4623, W: 2007, H: 9000, 925 kg	.0 Ea	6.7	25.0 666.1	250.0	941.1	33 125	3,330	1,250 4,70	5 4.00	20 100%	0% 09	100%	4,705 0	0 4,705 Type A 0 4,705 2AM- MRY132	2015 A	Direct
4000 Mine Site	4100 General	4140 Mobile Equipme	nt 4143 Mobile Maintenance Equipment	MO-	O2	Medium Mobile Equipment	O2	Mobile Equipment	Medium Mobile Equipment	Hwy Truck	MORII E EQUIDMENT I SERVICE TRUCK .	.0 Ea	10.0	45.0 999.1	450.0	1,494.1	10 45	999	450 1,4	4 24.00	24 100%	0% 09	100%	1,494 0	0 1,494 2AM- MRY132	2015 A	Direct
4000 Mine Site	4100 General	4140 Mobile Equipme	nt 4144 Mobile Site Services Equipment	MO-	O2	Medium Mobile Equipment	O2	Mobile Equipment	Medium Mobile Equipment	school bus	MOBILE EQUIPMENT - COACH PASSENGER TRANSFER BUS 2	.0 Ea	10.0	45.0 999.1	450.0	1,494.1	20 90	1,998	900 2,9	8 24.00	48 100%	0% 09	100%	2,988 0	Type A 0 2,988 2AM- MRY132	2015 A	Direct
4000 Mine Site	4100 General	4140 Mobile Equipme	nt 4144 Mobile Site Services Equipment	MO-	03	Heavy Mobile Equipment	03	Mobile Equipment	Heavy Mobile Equipment	Container Handle	MOBILE EQUIPMENT - CONTAINER HANDLER - r KALMAR DRF 450-6555 1 L: 11684, W: 3454, H: 2146, 72000 kg	.0 Ea	13.0 1	20.0 1,298.9	1,200.0	2,618.9	13 120	1,299	1,200 2,6	9 96.00	96 100%	0% 0'	100%	2,619 0	Type A 0 2,619 2AM- MRY132	2015 A	Direct
4000 Mine Site	4100 General	4140 Mobile Equipme	nt 4144 Mobile Site Services Equipment	MO-	02	Medium Mobile Equipment	02	Mobile Equipment	Medium Mobile Equipment	Dump Truck	MOBILE EQUIPMENT - FUEL DELIVERY TRUCK -	.0 Ea	10.0	45.0 999.1	450.0	1,494.1	10 45	999	450 1,4	4 24.00	24 100%	0% 09	100%	1,494 0	Type A 0 1,494 2AM-	2015 A	Direct
4000 Mine Site	4100 General	4140 Mobile Equipme		MO-	02	Medium Mobile Equipment	02	Mobile Equipment	Medium Mobile Equipment	Dump Truck	FREIGHTLINER MOBILE EQUIPMENT - FUEL DELIVERY TRUCK -	.0 Ea	10.0	45.0 999.1	450.0	1,494.1	10 45	999	450 1.4	4 24.00	24 100%	0% 09	0% 100%	1.494 0	MRY132 Type A 0 1,494 2AM-	5 2015 A	Direct
4000 Mine Site	4100 General	4140 Mobile Equipme			02	Medium Mobile Equipment	02	Mobile Equipment	Medium Mobile Equipment	Trailer	INTERNATIONAL	.0 Ea		45.0 999.1		1,494.1	10 45	999	450 1.4		24 100%		0% 100%	1,494 0	MRY132 Type A 0 1,494 2AM-		Direct
1000 141 - 011	4400 0			MO	02		02				MOBILE EQUIPMENT - MAINTENANCE	0.50	10.0	45.0 000.1	450.0	1.404.1	10 45	000	450 1,4	4 24.00	24 100%	09/ 0	100%	1,404	MRY132 Type A	5 2015 A	Direct
4000 Mine Site	4100 General	4140 Mobile Equipme		MO-	02	Medium Mobile Equipment	02	Mobile Equipment	Medium Mobile Equipment	Peterbilt Truck	FUEL/LUBE TRUCK - PETERBILT MOBILE EQUIPMENT - MAINTENANCE LUBE	.0 Ea	10.0	45.0 999.1	450.0	1,494.1	10 45	999	450 1,4	4 24.00	24 100%	0% 0%	176 100%	1,494 0	MRY132 Type A		Direct
4000 Mine Site	4100 General	4140 Mobile Equipme			02	Medium Mobile Equipment	O2	Mobile Equipment	Medium Mobile Equipment	Ford Truck sewage vacuum	TRUCK - Ford	.0 Ea		45.0 999.1	450.0	1,494.1	10 45	999	450 1,4		24 100%		100%	1,494 0	0 1,494 2AM- MRY132 Type A		Direct
4000 Mine Site	4100 General	4140 Mobile Equipme		MO-	01	Light Mobile Equipment	01	Mobile Equipment	Light Mobile Equipment	truck	TRUCK - FREIGHTLINER '	.0 Ea		25.0 666.1		941.1	7 25	666	250 9-	1 4.00	4 100%		100%	941 0	0 941 2AM- MRY132 Type A	5	Direct
4000 Mine Site	4100 General	4140 Mobile Equipme	nt 4144 Mobile Site Services Equipment	MO-	02	Medium Mobile Equipment	O2	Mobile Equipment	Medium Mobile Equipment		PETERBILT (5400 GAL)	.0 Ea	10.0	45.0 999.1	450.0	1,494.1	10 45	999	450 1,4	4 24.00	24 100%	0% 09	100%	1,494 0	0 1,494 2AM- MRY132	2015 A	Direct
4000 Mine Site	4200 Mine	4280 Mine Support Facilities	4281 Pit Office Building	BLD	FF1	Modular Building Not Contaminated (480 ft2)	FTR1	Buildings (Not Contaminated)	Single Trailers (modular)		Decontaminate Building - Trailer - Single 002	i.9 m2	0.2	3.4 22.4	33.6	59.4	15 225	1,498	2,249 3,9	2 1.00	67 100%	0% 09	100%	3,972 0	Type A 0 3,972 2AM- MRY132 Type A	2015 A	Direct
4000 Mine Site	4200 Mine	4280 Mine Support Facilities	4281 Pit Office Building	BLD	FW	Timber Cribbing (480 ft2)	FT	Flooring / Foundations	Timber Cribbing		Toundations - Timber Cribbing to Elevate Building 002	i.9 m2	0.1	1.2 7.8	11.8	20.8	8 79	524	787 1,3	0.30	20 100%	0% 0%	100%	1,390 0	0 1,390 2AM- MRY132 Type A	2015 A	Direct
4000 Mine Site	4200 Mine	4280 Mine Support Facilities	4281 Pit Office Building	BLD		#N/A	FW	Flooring / Foundations	Wood Floor		Pit Office Lunchroom Building - Demolish floor finish - 4281-BLD- 002 66 CRUSHER - PRIMARY CRUSHING PLANT LINE 3 -	i.9 m2 0	0	0	0 0)	0 0	0	0	0.00	0 100%	0% 09	100%	0 0	0 0 2AM- MRY132	2015 A	Direct
4000 Mine Site	4300 Material Handling	Screening	4381 Crushing and Screening System	CR-	ММЗ	Heavy Equipment	ммз	Mechanical Equipment	Heavy Equipment	Crusher	METSO C125 L: 3470, W: 4100, H: 3440, 38000 kg	.0 Ea	168.0 2,2	20.0 16,785.4	22,200.0	41,205.4	68 2,220	16,785	22,200 41,2	5 56.00	56 100%	0% 09	100%	41,205 0	0 41,205 Iype A 2AM- MRY132 Type A		Direct
4000 Mine Site	4300 Material Handling	4380 Crushing and Screening	4381 Crushing and Screening System	SC-	ММЗ	Heavy Equipment	MM3	Mechanical Equipment	Heavy Equipment	Screen	PRIMARY SCREENING PLANT LINE 3 - METSO FS303	.0 Ea	168.0 2,2	20.0 16,785.4	22,200.0	41,205.4 1	68 2,220	16,785	22,200 41,2	5 56.00	56 100%	0% 0%	100%	41,205 0	0 41,205 2AM- MRY132	2015 A	Direct
4000 Mine Site	4300 Material Handling	4380 Crushing and Screening	4381 Crushing and Screening System	CR-	ммз	Heavy Equipment	ммз	Mechanical Equipment	Heavy Equipment	Crusher	CRUSHER - SECONDARY CRUSHING PLANT LINE 3 - METSO HP400 1 L: 2370, W: 2370, H: 1600, 23000 kg	.0 Ea	168.0 2,2	20.0 16,785.4	22,200.0	41,205.4	68 2,220	16,785	22,200 41,2	5 56.00	56 100%	0% 0%	100%	41,205 0	Type A 0 41,205 2AM- MRY132	2015 A	Direct
4000 Mine Site	4300 Material Handling	4380 Crushing and Screening	4381 Crushing and Screening System	SC-	ммз	Heavy Equipment	ммз	Mechanical Equipment	Heavy Equipment	Screen	SCREEN - SECONDARY SCREENING PLANT LINE 3 - METSO FS 353 L: 3000, W: 6900, 14500 kg	.0 Ea	168.0 2,2	20.0 16,785.4	22,200.0	41,205.4	68 2,220	16,785	22,200 41,2	5 56.00	56 100%	0% 0%	100%	41,205 0	Type A 0 41,205 2AM- MRY132	2015 A	Direct
4000 Mine Site	4300 Material Handling	4380 Crushing and Screening	4381 Crushing and Screening System	CR-	ммз	Heavy Equipment	ммз	Mechanical Equipment	Heavy Equipment	Crusher	CRUSHER - TERTIARY CRUSHING PLANT LINE 3 - METSO HP400 1 L: 2370, W: 2370, H: 1600	.0 Ea	168.0 2,2	20.0 16,785.4	22,200.0	41,205.4	68 2,220	16,785	22,200 41,2	5 56.00	56 100%	0% 0%	100%	41,205 0	0 41,205 Type A 2AM- MRY132	2015 A	Direct
4000 Mine Site	4500 Non Process Facilities	4510 Accommodation Area	Service Core	BLD	FF1	Modular Building Not Contaminated (480 ft2)	FS	Buildings (Not Contaminated)	Prefabricated Special Modular		Accommodation Service Core Extension - Demolish and Decontaminate Building - Special Modular / 001 220	1.0 m2	0.2	3.4 22.4	33.6	59.4	49 740	4,927	7,398 13,0	5 1.00	220 100%	0% 0%	100%	13,065 0	0 13,065 Type A 2AM- MRY132	2015 A	Direct

Mary River Project - 2015 Se	urity Addendum - Estimate Break	down Structure'																									
Perceion - State O - Control O	Level 1 - Description	Level 2 - Facility / System System Tenen 5 - Facility / System 2 -	Alijus 4 grs / Cevel 3 - Description	P. San	Equipment Type	Price Code Description	Qty Code	Area - QTY Code	QTY Code Description	Туре	Description Ta	g mber QTY	Unit	Manhours Per Unit Unit Fuel	Consumption Unit Labour	Unit Equipment	Unit Rate Total Manhours	Total Fuel Consumption	Total Labour Total Equipment	Total Cost (\$)	Unit M3	Total Vol (m3)	Crown Land (%)	Water Liability (%) Land Liability (%)	IOL Cost (\$) Crown Land Cost (\$)	Water Liability Cost (\$) Land Liability Cost (\$)	License Associated Work Plan Type of Costs
4000 Mine Site	4500 Non Process Facilities	4510 Accommodations Area	4511 Service Core	BLD	EG	Gravel Base Removal	EG	Flooring / Foundations	Total Gravel Base		Accommodation Service Core Extension - Demolish and foundations - Gravel Base - Skidded Building 00	11-BLD- 1	220.0 m2	0.0	.0 0.0	0.0	0.0	o	0 0	0	0.00	0 100%	0% 0	0% 100%	0 0	0 0	Type A 2AM- MRY1325 Direct
4000 Mine Site	4500 Non Process Facilities	4510 Accommodations Area	4511 Service Core	BLD		#N/A	FW	Flooring / Foundations	Wood Floor		Accommodation Service Core Extension - Demolish d5 floor finish - Raised Steel or Wooden Floor 00	11-BLD- 2	220.0 m2	0 0	0	0 0	0	0	0 0	0	0.00	0 100%	0% 0	0% 100%	0 0	0 0	Type A 2AM- 2015 A Direct MRY1325
4000 Mine Site	4500 Non Process Facilities	4510 Accommodations Area	4511 Service Core	BLD	FF1	Modular Building Not Contaminated (480 ft2)	FS	Buildings (Not Contaminated)	Prefabricated Special Modular		Accommodation Exercise Facility - Demolish and Decontaminate Building - Special Modular / 00 Prefabricated	11-BLD- 2	200.7 m2	0.2	.4 22.4	33.6 59	9.4 45	675 4,	494 6,748	11,917	1.00	201 100%	0% 0	0% 100%	5 11,917 0	0 11,917	Type A 2AM- MRY1325 Direct
4000 Mine Site	4500 Non Process Facilities	4510 Accommodations Area	4511 Service Core	BLD	EG	Gravel Base Removal	EG	Flooring / Foundations	Total Gravel Base		Accommodation Exercise Facility - Demolish and foundations - Gravel Base - Skidded Building 00	11-BLD- 2	200.7 m2	0.0	.0 0.0	0.0 0	0.0	0	0 0	0	0.00	0 100%	0% 0	0% 100%	0 0	0 0	Type A 2AM- 2015 A Direct MRY1325
4000 Mine Site	4500 Non Process Facilities	4510 Accommodations Area	4511 Service Core	BLD		#N/A	FW	Flooring / Foundations	Wood Floor		Accommodation Exercise Facility - Demolish floor finish - Raised Steel or Wooden Floor	11-BLD- 2	200.7 m2	0 0	0	0 0	0	0	0 0	0	0.00	0 100%	0% 0	0% 100%	0 0	0 (Type A) 2AM- MRY1325 Direct MRY1325
4000 Mine Site	4500 Non Process Facilities	4510 Accommodations Area	4511 Service Core	BLD	FF1	Modular Building Not Contaminated (480 ft2)	FS	Buildings (Not Contaminated)	Prefabricated Special Modular		Accommodation Arctic Corridor Extension - Demolish and Decontaminate Building - Special Modular / Prefabricated 45	11-BLD-	60.0 m2	0.2	.4 22.4	33.6 59	9.4 13	202 1,	344 2,018	3,563	1.00	60 100%	0% 0	0% 100%	3,563 0	0 3,563	Type A 3 2AM- 2015 A Direct MRY1325
4000 Mine Site	4500 Non Process Facilities	4510 Accommodations Area	4511 Service Core	BLD	EG	Gravel Base Removal	EG	Flooring / Foundations	Total Gravel Base		Accommodation Arctic Corridor Extension - Demolish and foundations - Gravel Base - Skidded Building 00	11-BLD-	60.0 m2	0.0	.0 0.0	0.0 0	0.0	0	0 0	0	0.00	0 100%	0% 0	0% 100%	6 0 0	0 (Type A 2AM- MRY1325 Direct
4000 Mine Site	4500 Non Process Facilities	4510 Accommodations Area	4511 Service Core	BLD		#N/A	FW	Flooring / Foundations	Wood Floor		Accommodation Arctic Corridor Extension - Demolish floor finish - Raised Steel or Wooden Floor 00	11-BLD-	60.0 m2	0 0	0	0 0	0	0	0 0	0	0.00	0 100%	0% 0	0% 100%	0 0	0 (Type A 2AM- 2015 A Direct MRY1325
4000 Mine Site	4500 Non Process Facilities	4510 Accommodations Area	4512 Accommodation Wings	BLD	FF1	Modular Building Not Contaminated (480 ft2)	FS	Buildings (Not Contaminated)	Prefabricated Special Modular		Accommodation Wing AH - Demolish and Decontaminate Building - Special Modular / Prefabricated 45	12-BLD- 6	611.6 m2	0.2	.4 22.4	33.6 59	9.4 137	2,056 13,	698 20,564	36,319	1.00	612 100%	0% 0	0% 100%	36,319 0	0 36,319	Type A 9 2AM- MRY1325 Direct
4000 Mine Site	4500 Non Process Facilities	4510 Accommodations Area	4512 Accommodation Wings	BLD	EG	Gravel Base Removal	EG	Flooring / Foundations	Total Gravel Base		Accommodation Wing AH - Demolish and foundations - 45 Gravel Base - Skidded Building	12-BLD- 6	611.6 m2	0.0	.0 0.0	0.0 0	0.0 0	0	0 0	0	0.00	0 100%	0% 0	0% 100%	0 0	0 0	Type A 0 2AM- 2015 A Direct MRY1325
4000 Mine Site	4500 Non Process Facilities	4510 Accommodations Area	4512 Accommodation Wings	BLD		#N/A	FW	Flooring / Foundations	Wood Floor		Accommodation Wing AH - Demolish floor finish - 45 Raised Steel or Wooden Floor 00	12-BLD- 3	611.6 m2	0 0	0	0 0	0	0	0 0	0	0.00	0 100%	0% 0	0% 100%	0 0	0 (Type A 0 2AM- MRY1325 2015 A Direct
4000 Mine Site	4500 Non Process Facilities	4510 Accommodations Area	4512 Accommodation Wings	BLD	FF1	Modular Building Not Contaminated (480 ft2)	FS	Buildings (Not Contaminated)	Prefabricated Special Modular		Accommodation Wing AI - Demolish and Decontaminate Building - Special Modular / Prefabricated 45	12-BLD- 9	311.6 m2	0.2	.4 22.4	33.6 59	9.4 137	2,056 13,	698 20,564	36,319	1.00	612 100%	0% 0	0% 100%	36,319 0	0 36,319	Type A 2AM- 2015 A Direct MRY1325
4000 Mine Site	4500 Non Process Facilities	4510 Accommodations Area	4512 Accommodation Wings	BLD	EG	Gravel Base Removal	EG	Flooring / Foundations	Total Gravel Base		Accommodation Wing AI - Demolish and foundations - 45 Gravel Base - Skidded Building 00	12-BLD- 9 6	611.6 m2	0.0	.0 0.0	0.0 0	0.0 0	0	0 0	0	0.00	0 100%	0% 0	0% 100%	0 0	0 (Type A 0 2AM- MRY1325 Direct
4000 Mine Site	4500 Non Process Facilities	4510 Accommodations Area	4512 Accommodation Wings	BLD		#N/A	FW	Flooring / Foundations	Wood Floor		Accommodation Wing AI - Demolish floor finish - 45 Raised Steel or Wooden Floor 00	12-BLD- 9	611.6 m2	0 0	0	0 0	0	0	0 0	0	0.00	0 100%	0% 0	0% 100%	0 0	0 0	Type A 2AM- MRY1325 MRY1325 Direct
4000 Mine Site	4500 Non Process Facilities	4510 Accommodations Area	4512 Accommodation Wings	BLD	FF1	Modular Building Not Contaminated (480 ft2)	FS	Buildings (Not Contaminated)	Prefabricated Special Modular		Accommodation Wing AJ - Demolish and Decontaminate Building - Special Modular / 01 Prefabricated	12-BLD- 0	611.6 m2	0.2	.4 22.4	33.6 59	9.4 137	2,056 13,	698 20,564	36,319	1.00	612 100%	0% (0% 100%	6 36,319 0	0 36,319	Type A 2015 A Direct MRY1325
4000 Mine Site	4500 Non Process Facilities	4510 Accommodations Area	4512 Accommodation Wings	BLD	EG	Gravel Base Removal	EG	Flooring / Foundations	Total Gravel Base		Accommodation Wing AJ - Demolish and foundations - 45 Gravel Base - Skidded Building	12-BLD- 0	611.6 m2	0.0	.0 0.0	0.0 0	0.0	0	0 0	0	0.00	0 100%	0% 0	0% 100%	0 0	0 (Type A 2AM- 2015 A Direct MRY1325
4000 Mine Site	4500 Non Process Facilities	4510 Accommodations Area	4512 Accommodation Wings	BLD		#N/A	FW	Flooring / Foundations	Wood Floor		Accommodation Wing AJ - Demolish floor finish - Raised Steel or Wooden Floor	12-BLD- 0	611.6 m2	0 0	0	0 0	0	0	0 0	0	0.00	0 100%	0% 0	0% 100%	0 0	0 (Type A 0 2AM- 2015 A Direct MRY1325
4000 Mine Site	4500 Non Process Facilities	4510 Accommodations Area	4512 Accommodation Wings	BLD	FF1	Modular Building Not Contaminated (480 ft2)	FS	Buildings (Not Contaminated)	Prefabricated Special Modular		Accommodation Wing AK - Demolish and Decontaminate Building - Special Modular / Prefabricated 45	12-BLD- 1	458.0 m2	0.2	.4 22.4	33.6 59	9.4 103	1,540 10,	258 15,401	27,199	1.00	458 100%	0% 0	0% 100%	27,199 0	0 27,199	Type A 2 2AM- MRY1325
4000 Mine Site	4500 Non Process Facilities	4510 Accommodations Area	4512 Accommodation Wings	BLD	EG	Gravel Base Removal	EG	Flooring / Foundations	Total Gravel Base		Accommodation Wing AK - Demolish and foundations - 45 Gravel Base - Skidded Building	12-BLD- 1	458.0 m2	0.0	.0 0.0	0.0 0	0.0	0	0 0	0	0.00	0 100%	0% 0	0% 100%	0 0	0 (Type A 0 2AM- MRY1325 2015 A Direct
4000 Mine Site	4500 Non Process Facilities	4510 Accommodations Area	4512 Accommodation Wings	BLD		#N/A	FW	Flooring / Foundations	Wood Floor		Accommodation Wing AK - Demolish floor finish - 45 Raised Steel or Wooden Floor 01	12-BLD- 1	458.0 m2	0 0	0	0 0	0	0	0 0	0	0.00	0 100%	0% 0	0% 100%	0 0	0 (Type A 0 2AM- MRY1325 2015 A Direct
4000 Mine Site	4500 Non Process Facilities	4510 Accommodations Area	4512 Accommodation Wings	BLD	FF1	Modular Building Not Contaminated (480 ft2)	FS	Buildings (Not Contaminated)	Prefabricated Special Modular		Accommodation Wing AL - Demolish and Decontaminate Building - Special Modular / 01 Prefabricated	12-BLD- 2	611.6 m2	0.2 3	.4 22.4	33.6 59	9.4 137	2,056 13,	698 20,564	36,319	1.00	612 100%	0% 0	0% 100%	36,319 0	0 36,319	Type A 9 2AM- MRY1325 2015 A Direct
4000 Mine Site	4500 Non Process Facilities	4510 Accommodations Area	4512 Accommodation Wings	BLD	EG	Gravel Base Removal	EG	Flooring / Foundations	Total Gravel Base		Accommodation Wing AL - Demolish and foundations - Gravel Base - Skidded Building 01	12-BLD- 2	611.6 m2	0.0	.0 0.0	0.0 0	0.0	0	0 0	0	0.00	0 100%	0% 0	0% 100%	0 0	0 (Type A 0 2AM- MRY1325 Direct
4000 Mine Site	4500 Non Process Facilities	4510 Accommodations Area	4512 Accommodation Wings	BLD		#N/A	FW	Flooring / Foundations	Wood Floor		Raised Steel or Wooden Floor 01	12-BLD- 2 6	611.6 m2	0 0	0	0 0	0	0	0 0	0	0.00	0 100%	0% 0	0% 100%	0 0	0 0	Type A 2AM- MRY1325 Direct
4000 Mine Site	4500 Non Process Facilities	4510 Accommodations Area	4512 Accommodation Wings	BLD	FF1	Modular Building Not Contaminated (480 ft2)	FS	Buildings (Not Contaminated)	Prefabricated Special Modular		Accommodation Wing AM - Demolish and Decontaminate Building - Special Modular / Prefabricated 45	12-BLD- 3	311.6 m2	0.2	.4 22.4	33.6 59	9.4 137	2,056 13,	698 20,564	36,319	1.00	612 100%	0% 0	0% 100%	36,319 0	0 36,319	Type A 9 2AM- MRY1325 2015 A Direct
4000 Mine Site	4500 Non Process Facilities	4510 Accommodations Area	4512 Accommodation Wings	BLD	EG	Gravel Base Removal	EG	Flooring / Foundations	Total Gravel Base		Accommodation Wing AM - Demolish and foundations - 45 Gravel Base - Skidded Building	12-BLD- 3	611.6 m2	0.0	.0 0.0	0.0 0	0.0	0	0 0	0	0.00	0 100%	0% 0	0% 100%	0 0	0 (Type A 2AM- 2015 A Direct MRY1325
4000 Mine Site	4500 Non Process Facilities	4510 Accommodations Area	4512 Accommodation Wings	BLD		#N/A	FW	Flooring / Foundations	Wood Floor		Accommodation Wing AM - Demolish floor finish - 45 Raised Steel or Wooden Floor 01	12-BLD- 3	611.6 m2	0 0	0	0 0	0	0	0 0	0	0.00	0 100%	0% 0	0% 100%	0 0	0 0	Type A 0 2AM- MRY1325 2015 A Direct
4000 Mine Site	4500 Non Process Facilities	4510 Accommodations Area	4512 Accommodation Wings		А3	Grade & Re-Contour	A2	Site Works	Grade and Re-Contour	Grade and Contou	ur Accommodation extension – West side	9,0	000.0 m2	0.01	.1 1.3	0.4 1	1.8 114	1,316 11,	421 3,569	16,293	0.00	0 100%	0% 0	0% 100%	16,293 0	0 16,293	Type A 3 2AM- 2015 A Direct MRY1325
4000 Mine Site	4500 Non Process Facilities	4510 Accommodations Area	4512 Accommodation Wings		А3	Grade & Re-Contour	A2	Site Works	Grade and Re-Contour	Grade and Contou	ur Accommodation extension – East Side	2,7	700.0 m2	0.01	.1 1.3	0.4 1	1.8 34	395 3,	426 1,071	4,888	0.00	0 100%	0% 0	0% 100%	4,888 0	0 4,888	Type A 3 2AM- 2015 A Direct MRY1325
4000 Mine Site	4500 Non Process Facilities	4520 Services Area	4521 Services Buildings	BLD	FF1-c	Modular Building Contaminated (480 ft2)	fTR1-c	Buildings (Contaminated)	Single Trailers (modular)		Workshop Office Washcar - Demolish and Decontaminate Building - Trailer - Single 00	21-BLD-	35.7 m2	0.6	.4 56.0	84.1 143	3.4 20	120 1,	998 2,999	5,116	1.00	36 100%	0% 0	0% 100%	5,116 0	0 5,116	Type A 3 2AM- 2015 A Direct MRY1325
4000 Mine Site	4500 Non Process Facilities	4520 Services Area	4521 Services Buildings	BLD	FW	Timber Cribbing (480 ft2)	FT	Flooring / Foundations	Timber Cribbing		Workshop Office Washcar - Demolish and foundations - 45 Timber Cribbing to Elevate Building	9	35.7 m2	0.1 1	.2 7.8	11.8 20	0.8 4	42	280 420	741	0.30	11 100%	0% 0	0% 100%	741 0	0 741	Type A 2AM- 2015 A Direct MRY1325 Type A
4000 Mine Site	4500 Non Process Facilities	4520 Services Area	4521 Services Buildings	BLD		#N/A	FW	Flooring / Foundations	Wood Floor		Workshop Office Washcar - Demolish floor finish - Raised Steel or Wooden Floor 00	21-BLD-	35.7 m2	0 0	0	0 0	0	0	0 0	0	0.00	0 100%	0% 0	0% 100%	0 0	0 (MRY1325 2015 A Direct
4000 Mine Site	4500 Non Process Facilities	4520 Services Area	4523 Truck Wash Facility	BLD	FF2-c	Fold Away Building Contaminated (480 ft2)	FFL-c	Buildings (Contaminated)	Fold Away Building		Decontaminate Building - Fold-away Building (Steel) 00	-	483.1 m2	0.6 2	.4 56.0	84.1 142	2.4 271	1,137 27,	050 40,610	68,797	1.00	483 100%	0% (0% 100%	68,797 0		Type A '2AM- MRY1325 Direct Direct
4000 Mine Site	4500 Non Process Facilities	4520 Services Area	4523 Truck Wash Facility	BLD	СР	Precast Concrete Foundations (480 ft2)	CP	Flooring / Foundations	Precast Foundations		foundations - Precast Footing (Perimeter Beam) 00	2	483.1 m2	0.1 2	.2 14.5	21.8 38	8.5 70	1,052 7,	10,522	18,583	0.75	362 100%	0% 0	0% 100%	18,583 0	0 18,583	Type A 3 2AM- 2015 A Direct MRY1325 Type A
4000 Mine Site	4500 Non Process Facilities	4520 Services Area	4523 Truck Wash Facility	BLD	EG	Gravel Base Removal	EG	Flooring / Foundations	Total Gravel Base		Ore Haul Truck Wash Building - Demolish floor finish - Gravel 00	23-BLD- 2 4	483.1 m2	0.0	.0 0.0	0.0 0	0.0 0	0	0 0	0	0.00	0 100%	0% 0	0% 100%	0 0	0 (MRY1325 2015 A Direct
4000 Mine Site	4500 Non Process Facilities	4530 Services Area	4530 Truck Wash Facility	BLD	FF1-c	Modular Building Contaminated (480 ft2)	d FS-c	Buildings (Contaminated)	Prefabricated Special Modular		Prefabricated 02	2	51.9 m2	0.6	.4 56.0	84.1 143	3.4 29	175 2,	908 4,366	7,448	1.00	52 100%	0% 0	0% 100%	5 7,448 0	0 7,448	Type A 2015 A Direct MRY1325 Type A
4000 Mine Site	4500 Non Process Facilities	4530 Services Area	4530 Truck Wash Facility	BLD	EG	Gravel Base Removal	EG	Flooring / Foundations	Total Gravel Base		foundations - Gravel Base - Skidded Building 02	2	51.9 m2	0.0	.0 0.0	0.0 0	0.0 0	0	0 0	0	0.00	0 100%	0% 0	0% 100%	0 0	0 (17)2AM- 2015 A Direct MRY1325 Type A
4000 Mine Site	4500 Non Process Facilities	4530 Services Area	4530 Truck Wash Facility	BLD		#N/A	FW	Flooring / Foundations	Wood Floor		Power Generation Module #7 - Demolish floor finish - Raised Steel or Wooden Floor 02	30-BLD- 2	51.9 m2	0 0	0	0 0	0	0	0 0	0	0.00	0 100%	0% 0	0% 100%	0 0	0 0	2AM- 2015 A Direct MRY1325

Mary River Project - 2015 S	curity Addendum - Estimate Bres	akdown Structure'																						
Level 0 - Sterion Description	Level 1 - Description	Level 2 - Facility / System and T	I 2 -	Alligrad 40 s. or 60	Equipment Type	Equipment type	Price Code Description	Qty Code	Area - QTY Code	QTY Code Description	Туре	Description Ta	g mber QTY	Unit	Manhours Per Unit Unit Fuel Consumption	Unit Labour	Unit Equipment	Total Fuel Consumption	Total Labour	Total Equipment Total Cost (\$)	Unit M3	IOL(%) Crown Land (%) Water Lability (%) Land Liability (%)	Crown Land Cost (\$) Water Liability Cost (\$) Land Liability Cost (\$)	Associated Work Plan Type of Costs
4000 Mine Site	4500 Non Process Facilities	4530 Service	ices Area	4530 Truck Wash Facility	BLD	FF1-c	Modular Building Contaminated (480 ft2)	FS-c	Buildings (Contaminated)	Prefabricated Special Modular		Power Generation Module #8 - Demolish and Decontaminate Building - Special Modular / Prefabricated 45 02:	51.9	m2 0).6 3.4	56.0	84.1 143.4 2	175	2,908	4,366 7,448	1.00 52	2 100% 0% 0% 100% 7,448	Type A 7,448 2AM- MRY1325 2015	15 A Direct
4000 Mine Site	4500 Non Process Facilities	4530 Service	ices Area	4530 Truck Wash Facility	BLD	EG	Gravel Base Removal	EG	Flooring / Foundations	Total Gravel Base		Power Generation Module #8 - Demolish and foundations - Gravel Base - Skidded Building 02	0-BLD- 51.9	m2 0	0.0	0.0	0.0 0.0	0 0	0	0 0	0.00	0 100% 0% 0% 100% 0	0 0 0 17ype A 2015 MRY1325	15 A Direct
4000 Mine Site	4500 Non Process Facilities	4530 Service	ices Area	4530 Truck Wash Facility	BLD		#N/A	FW	Flooring / Foundations	Wood Floor		Power Generation Module #8 - Demolish floor finish - 45: Raised Steel or Wooden Floor 02:	0-BLD- 51.9	m2 0	0 0	0	0	0 0	0	0 0	0.00	0 100% 0% 0% 100% 0	0 0 1 Type A 2015 MRY1325	15 A Direct
4000 Mine Site	4500 Non Process Facilities	4530 Service	ices Area	4530 Truck Wash Facility	BLD	FF1-c	Modular Building Contaminated (480 ft2)	FS-c	Buildings (Contaminated)	Prefabricated Special Modular		Power Generation Module #9 - Demolish and Decontaminate Building - Special Modular / Prefabricated 45:	00-BLD- 51.9	m2 0	0.6 3.4	56.0	84.1 143.4 2	175	2,908	4,366 7,448	1.00 52	2 100% 0% 0% 100% 7,448	0 0 7,448 Type A 2015 MRY1325	15 A Direct
4000 Mine Site	4500 Non Process Facilities	4530 Service	ices Area	4530 Truck Wash Facility	BLD	EG	Gravel Base Removal	EG	Flooring / Foundations	Total Gravel Base		Power Generation Module #9 - Demolish and foundations - Gravel Base - Skidded Building 02	0-BLD- 51.9	m2 0	0.0	0.0	0.0 0.0	0 0	0	0 0	0.00	0 100% 0% 0% 100% 0	Type A 0 0 0 2AM- MRY1325	15 A Direct
4000 Mine Site	4500 Non Process Facilities	4530 Service	ices Area	4530 Truck Wash Facility	BLD		#N/A	FW	Flooring / Foundations	Wood Floor		Power Generation Module #9 - Demolish floor finish - 45: Raised Steel or Wooden Floor 02:	0-BLD- 51.9	m2 0	0 0	0	0	0 0	0	0 0	0.00	0 100% 0% 0% 100% 0	Type A 0 0 2AM- 2015 MRY1325	15 A Direct
4000 Mine Site	4500 Non Process Facilities	4530 Service	ices Area	4530 Truck Wash Facility	BLD	FF1-c	Modular Building Contaminated (480 ft2)	FS-c	Buildings (Contaminated)	Prefabricated Special Modular		Power Generation Module #10 - Demolish and Decontaminate Building - Special Modular / Prefabricated 45	0-BLD- 51.9	m2 0	0.6 3.4	56.0	84.1 143.4 2	175	2,908	4,366 7,448	1.00 53	2 100% 0% 0% 100% 7,448	Type A 7,448 2AM- MRY1325 2015	15 A Direct
4000 Mine Site	4500 Non Process Facilities	4530 Service	ices Area	4530 Truck Wash Facility	BLD	EG	Gravel Base Removal	EG	Flooring / Foundations	Total Gravel Base		Power Generation Module #10 - Demolish and foundations - Gravel Base - Skidded Building 02	0-BLD- 51.9	m2 0	0.0	0.0	0.0 0.0	0 0	0	0 0	0.00	0 100% 0% 0% 100% 0	0 0 Type A 0 2AM- 2015 MRY1325	15 A Direct
4000 Mine Site	4500 Non Process Facilities	4530 Service	ices Area	4530 Truck Wash Facility	BLD		#N/A	FW	Flooring / Foundations	Wood Floor		Power Generation Module #10 - Demolish floor finish - 45: Raised Steel or Wooden Floor 02	0-BLD- 51.9	m2 0	0 0	0	0	0 0	0	0 0	0.00	0 100% 0% 0% 100% 0	0 0 0 Type A 0 2AM- 2015 MRY1325	15 A Direct
4000 Mine Site	4500 Non Process Facilities	4530 Powe	er Generation	4530 Power Generation	BLD	FF1-c	Modular Building Contaminated (480 ft2)	FS-c	Buildings (Contaminated)	Prefabricated Special Modular		Power Generation E-House #3 - Demolish and Decontaminate Building - Special Modular / Prefabricated 02	0-BLD- 75.3	m2 0	0.6 3.4	56.0	84.1 143.4 4	253	4,214	6,326 10,792	1.00 75	5 100% 0% 0% 100% 10,792	0 0 10,792 Type A 2015 MRY1325	15 A Direct
4000 Mine Site	4500 Non Process Facilities	4530 Powe	er Generation	4530 Power Generation	BLD	EG	Gravel Base Removal	EG	Flooring / Foundations	Total Gravel Base		Power Generation E-House #3 - Demolish and foundations - Gravel Base - Skidded Building 02:	0-BLD- 75.3	m2 0	0.0	0.0	0.0 0.0	0 0	0	0 0	0.00	0 100% 0% 0% 100% 0	0 0 Type A 0 2AM- 2015	15 A Direct
4000 Mine Site	4500 Non Process Facilities	4530 Powe	er Generation	4530 Power Generation	BLD		#N/A	FW	Flooring / Foundations	Wood Floor		Power Generation E-House #3 - Demolish floor finish - 45. Raised Steel or Wooden Floor	00-BLD- 75.3	m2 0	0 0	0	0	0 0	0	0 0	0.00	0 100% 0% 0% 100% 0	Type A	15 A Direct
4000 Mine Site	4500 Non Process Facilities	4530 Powe	er Generation	4530 Power Generation	BLD	FF1-c	Modular Building Contaminated (480 ft2)	FS-c	Buildings (Contaminated)	Prefabricated Special Modular		Power Generation E-House #4 - Demolish and Decontaminate Building - Special Modular / Prefabricated 45	0-BLD- 75.3	m2 0	0.6 3.4	56.0	84.1 143.4 4	253	4,214	6,326 10,792	1.00 79	5 100% 0% 0% 100% 10,792	0 0 10,792 Type A 2AM- MRY1325 2015	15 A Direct
4000 Mine Site	4500 Non Process Facilities	4530 Powe	er Generation	4530 Power Generation	BLD	EG	Gravel Base Removal	EG	Flooring / Foundations	Total Gravel Base		Power Generation E-House #4 - Demolish and foundations - Gravel Base - Skidded Building 03	0-BLD- 75.3	m2 0	0.0	0.0	0.0 0.0	0 0	0	0 0	0.00	0 100% 0% 0% 100% 0	0 0 Type A 0 2AM- 2015 MRY1325	15 A Direct
4000 Mine Site	4500 Non Process Facilities	4530 Powe	er Generation	4530 Power Generation	BLD		#N/A	FW	Flooring / Foundations	Wood Floor		Power Generation E-House #4 - Demolish floor finish - 45: Raised Steel or Wooden Floor 03	0-BLD- 75.3	m2 0	0 0	0	0	0 0	0	0 0	0.00	0 100% 0% 0% 100% 0	Type A	15 A Direct
4000 Mine Site	4500 Non Process Facilities	4530 Powe	er Generation	4530 Power Generation	BLD	FF1-c	Modular Building Contaminated (480 ft2)	FC-c	Buildings (Contaminated)	ISO Shipping Containers		Power Generation Stores #2 - Demolish and Decontaminate Building - Special Modular / Prefabricated 45	0-BLD- 29.7	m2 0	0.6 3.4	56.0	84.1 143.4 1	7 100	1,665	2,499 4,264	1.00 30	100% 0% 0% 100% 4,264	Type A	15 A Direct
4000 Mine Site	4500 Non Process Facilities	4530 Powe	er Generation	4530 Power Generation	BLD	EG	Gravel Base Removal	EG	Flooring / Foundations	Total Gravel Base		Power Generation Stores #2 - Demolish and foundations - Gravel Base - Skidded Building 03	0-BLD- 29.7	m2 0	0.0	0.0	0.0 0.0	0 0	0	0 0	0.00	0 100% 0% 0% 100% 0	0 0 Type A 0 2AM- 2015 MRY1325	15 A Direct
4000 Mine Site	4500 Non Process Facilities	4530 Powe	er Generation	4530 Power Generation	BLD		#N/A	FW	Flooring / Foundations	Wood Floor		Power Generation Stores #2 - Demolish floor finish - 45: Raised Steel or Wooden Floor 03	0-BLD- 29.7	m2 0	0 0	0	0	0 0	0	0 0	0.00	0 100% 0% 0% 100% 0	0 0 0 1 2AM- 2015 MRY1325	15 A Direct
4000 Mine Site	4500 Mine Site	4540 Wasti Mana	te agement	4540 Waste Management (building and incinerator)		A2	Fill Application	Fill	Site Works	Fill Application	Fill Application	Landfill Expansion	4,475.0	m2 0.2	45 2.0	22.2	22.2 44.369 1,09	9,071	99,140	9,411 198,550	0.00	0 100% 0% 0% 100% 198,550	0 0 198,550 Type A 2015 MRY1325	15 A Direct
4000 Mine Site	4600 Fuel System	4610 Mine	Tank Farm	4613 Arctic Diesel System		A3	Grade & Re-Contour	A2	Site Works	Grade and Re-Contour	Grade and Contou	r Utility pad extension (North West)	3,500.0	m2 0.	0.1	1.3	0.4 1.8 4	14 512	4,441	1,388 6,336	0.00	0 100% 0% 0% 100% 6,336	0 0 6,336 ZAM- 2015 MRY1325	15 A Direct
4000 Mine Site	4600 Fuel System	4610 Mine	Tank Farm	4613 Arctic Diesel System		А3	Grade & Re-Contour	A2	Site Works	Grade and Re-Contour	Grade and Contou	Utility pad extension (South West)	1,800.0	m2 0.	0.1	1.3	0.4 1.8 2	263	2,284	714 3,259	0.00	0 100% 0% 0% 100% 3,259	0 0 3,259 Type A 2015 MRY1325	15 A Direct
4000 Mine Site	4600 Fuel System	4610 Mine	Tank Farm	4619	GE-	MM2	Medium Equipment	MM2	Mechanical Equipment	Medium Equipment	Generator	GENERATOR - 1.35 MW GENERATOR	3.0	Ea 19	213.0	,918.3 2	130.0 4,261.3 5	639	5,755	6,390 12,784	1.00	3 100% 0% 0% 100% 12,784	0 0 12,784 Type A 2AM- 2015 MRY1325	15 A Direct
4000 Mine Site	4700 Site Utilities	4720 Water	er Systems	4720 Water Systems	TK-	MT2	Medium Tanks	MT2	Mechanical Equipment	Medium Tanks		TANK - POTABLE WATER STORAGE TANK (40 m3)	1.0	Ea 31	.0 390.0	,097.3 3	900.0 7,387.3	390	3,097	3,900 7,387	2.00 2	100% 0% 0% 100% 7,387	0 0 7,387 Type A 2AM- 2015 MRY1325	15 A Direct
4000 Mine Site	4700 Site Utilities	4720 Water	er Systems	4720 Water Systems	VP-	VP2	VENDOR PKG - Potable Water	VP2	Packaged Facilities	Potable Water		VENDOR PACKAGE - POTABLE WATER TREATMENT PLANT VENDOR PACKAGE	1.0	Ea 47	7.0 480.0	,695.9 4	800.0 9,975.9 4	480	4,696	4,800 9,976	329.27 329	100% 0% 100% 0% 9,976	Type A 0 2AM- MRY1325 Type A	15 A Direct
4000 Mine Site	4700 Site Utilities	4720 Water	er Systems	4720 Water Systems	TK-	MT2	Medium Tanks	MT2	Mechanical Equipment	Medium Tanks		TANK - RAW WATER TANK (60 m3)	1.0	Ea 31	.0 390.0	,097.3 3	900.0 7,387.3	390	3,097	3,900 7,387	2.00	2 100% 0% 0% 100% 7,387	0 0 7,387 2AM- 2015 MRY1325 Type A	15 A Direct
4000 Mine Site	4700 Site Utilities	4720 Water	er Systems	4720 Water Systems		A3	Grade & Re-Contour	A2	Site Works	Grade and Re-Contour	Grade and Contou	Infill between service and utility pads	20,800.0	m2 0.	0.1	1.3	0.4 1.8 26	3,042	26,395	8,248 37,654	0.00	0 100% 0% 0% 100% 37,654	0 0 37,654 2AM- 2015 MRY1325 Type A	15 A Direct
4000 Mine Site	4700 Site Utilities	4730 Sewa	age System	4731 Sewage Treatment Systems	VP-	VP3	VENDOR PKG - Sewage Treatment Plant	VP3	Packaged Facilities	Sewage Treatment Plant		VENDOR PACKAGE - SEWAGE TREATMENT PLANT VENDOR PACKAGE	1.0	Ea 51	.0 540.0	,095.6 5	400.0 11,035.6 5	540	5,096	5,400 11,036	329.27 329	100% 0% 100% 0% 11,036	0 11,036 0 2AM- 2015 MRY1325 Type B	15 A Direct
4000 Mine Site	4700 Site Utilities	4740 Additi	ional Tanks	4740 Additional Tanks	TK-	MT1	Light Tanks	MT1	Mechanical Equipment	Light Tanks		Additional Light Size tanks	5.0	Ea 9	0.7 107.5	965.8 1	075.0 2,148.3 4	18 538	4,829	5,375 10,742	1.00	5 100% 0% 0% 100% 10,742	0 0 10,742 Construction 2BC- MRY1416 2015	15 A Direct
4000 Mine Site	4700 Site Utilities	4740 Additi	ional Tanks	4740 Additional Tanks	TK-	MT2	Medium Tanks	MT2	Mechanical Equipment	Medium Tanks		Additional Medium Size tanks	3.0	Ea 31	.0 390.0 :	,097.3 3	900.0 7,387.3	3 1,170	9,292	1,700 22,162	2.00	S 100% 0% 0% 100% 22,162	Type B Construction 22,162 BC- MRY1416	15 A Direct
4000 Mine Site	4700 Site Utilities	4750 Powe Syste	er Distribution em	4750 Power Distribution System	BLD	FF1	Modular Building Not Contaminated (480 ft2)	FS	Buildings (Not Contaminated)	Prefabricated Special Modular		Accommodation Area E-House #3 - Demolish and Decontaminate Building - Special Modular / 000	60-BLD- 37.2	m2 0	3.4	22.4	33.6 59.4	8 125	832	1,250 2,207	1.00 3	7 100% 0% 0% 100% 2,207	0 0 2,207 Type A 2AM- MRY1325 2015	15 A Direct
4000 Mine Site	4700 Site Utilities	4750 Powe Syste	er Distribution em	4750 Power Distribution System	BLD	EG	Gravel Base Removal	EG	Flooring / Foundations	Total Gravel Base		Accommodation Area E-House #3 - Demolish and foundations - Gravel Base - Skidded Building 00	0-BLD- 37.2	m2 0	0.0	0.0	0.0 0.0	0 0	0	0 0	0.00	0 100% 0% 0% 100% 0	0 0 Type A 0 2AM- 2015 MRY1325	15 A Direct
4000 Mine Site	4700 Site Utilities	4750 Powe Syste	er Distribution em	4750 Power Distribution System	BLD		#N/A	FW	Flooring / Foundations	Wood Floor		Accommodation Area E-House #3 - Demolish floor finish - Raised Steel or Wooden Floor 00	i0-BLD- 37.2	m2 0	0 0	0	0	0 0	0	0 0	0.00	0 100% 0% 0% 100% 0	Type A	15 A Direct
4000 Mine Site	4700 Site Utilities	4750 Powe Syste	er Distribution em	4750 Power Distribution System	BLD	FF1	Modular Building Not Contaminated (480 ft2)	FS	Buildings (Not Contaminated)	Prefabricated Special Modular		Crushing and Screening E-House #1 - Demolish and Decontaminate Building - Special Modular / 01/19	i0-BLD- 59.5	m2 0	0.2 3.4	22.4	33.6 59.4 1	3 200	1,332	1,999 3,531	1.00 59	9 100% 0% 0% 100% 3,531	0 0 3,531 Type A 2AM- MRY1325 2015	15 A Direct
4000 Mine Site	4700 Site Utilities	4750 Powe Syste	er Distribution em	4750 Power Distribution System	BLD	EG	Gravel Base Removal	EG	Flooring / Foundations	Total Gravel Base		Crushing and Screening E-House #1 - Demolish and foundations - Gravel Base - Skidded Building 010	60-BLD- 59.5	m2 0	0.0	0.0	0.0 0.0	0 0	0	0 0	0.00	0 100% 0% 0% 100% 0	0 0 Type A 0 2AM- 2015 MRY1325	15 A Direct
4000 Mine Site	4700 Site Utilities	4750 Powe Syste	er Distribution em	4750 Power Distribution System	BLD		#N/A	FW	Flooring / Foundations	Wood Floor		Crushing and Screening E-House #1 - Demolish floor finish - Raised Steel or Wooden Floor 01	60-BLD- 59.5	m2 0	0 0	0	0	0 0	0	0 0	0.00	0 100% 0% 0% 100% 0	Type A	15 A Direct
			er Distribution				Modular Building Not	F0	Buildings (Not	Prefabricated Special Modular		Crushing and Screening E-House #2 - Demolish and	i0-BLD-					3 200	1,332	1,999 3,531	1.00 59	100% 0% 0% 100% 3.531	Type A 0 3,531 2AM- 2015	15 A Direct
4000 Mine Site	4700 Site Utilities	4750 Powe Syste		4750 Power Distribution System	BLD	FF1	Contaminated (480 ft2)	F5	Contaminated)	Prerabricated Special Modular		Decontaminate Building - Special Modular / 01	59.5	m2 0	0.2 3.4	22.4	33.6 59.4	3 200	1,332	1,000	1.00	9 100% 0% 0% 100% 3,531	0 0 3,531 ZAW- 2015 MRY1325 Type A	ISA BIIGG

Mary River Project - 2015	ecurity Addendum - Estimate Bre	eakdown Structure'																											
Level 0 - Site Cocation Description	Level 1 - Description	Level 2 - Facility / System Packet Pa	Sub Facility (Sub System Facility Tend 13 - Description	Equipment Type	Price Code	Price Code Description	Qty Code	Area - QTY Code	QTY Code Description	Туре	Description	Tag Number	QTY Š	Manhours Per Unit	Unit Fuel Consumption	Unit Labour	Unit Rate	Total Fuel Consumption	Total Labour	Total Equipment	Total Cost (\$)	Unit M3 Total Vol (m3)	IOL (%) Crown Land (%)	Water Liability (%)	IOL Cost (\$)	Crown Land Cost (\$)	(\$) Land Liability Cost (\$)	Associated Work Plan	Type of Costs
4000 Mine Site	4700 Site Utilities	4750 Power Distribution System	4750 Power Distribution System	BLD		#N/A	FW	Flooring / Foundations	Wood Floor		Crushing and Screening E-House #2 - Demolish floor finish - Raised Steel or Wooden Floor	4750-BLD- 011	59.5 m2	0 (0	0	0	0 0	0	0	0 0.0	00 0	00% 0%	0% 100%	0	0	Type A 0 2AM- MRY1325	2015 A	Direct
4000 Mine Site	4700 Site Utilities	4750 Power Distribution System	4750 Power Distribution System	BLD	FF1	Modular Building Not Contaminated (480 ft2)	FS	Buildings (Not Contaminated)	Prefabricated Special Modular		Services Area E-House #3 - Demolish and Decontaminate Building - Special Modular / Prefabricated	4750-BLD- 012	37.2 m2	0.2	3.4	22.4 33.	59.4	8 125	832	1,250 2	207 1.0	37	00% 0%	0% 100%	2,207	0	Type A 2,207 2AM- MRY1325	2015 A	Direct
4000 Mine Site	4700 Site Utilities	4750 Power Distribution System	4750 Power Distribution System	BLD	EG	Gravel Base Removal	EG	Flooring / Foundations	Total Gravel Base		Services Area E-House #3- Demolish and foundations - Gravel Base - Skidded Building	4750-BLD- 012	37.2 m2	0.0	0.0	0.0 0.	0.0	0 0	0	0	0 0.0	00 0	00% 0%	0% 100%	0	0	Type A 0 2AM- MRY1325	2015 A	Direct
4000 Mine Site	4700 Site Utilities	4750 Power Distribution System	4750 Power Distribution System	BLD		#N/A	FW	Flooring / Foundations	Wood Floor		Services Area E-House #3 - Demolish floor finish - Raised Steel or Wooden Floor	4750-BLD- 012	37.2 m2	0 (0	0	0	0 0	0	0	0 0.0	0 0	00% 0%	0% 100%	0	0	Type A 0 0 2AM- MRY1325	2015 A	Direct
7000 Mine Site	7200 Site Utilities	7230 Power Distribution System	7235 Power Distribution System	BLD	FF1	Modular Building Not Contaminated (480 ft2)	FFL	Buildings (Not Contaminated)	Fold Away Building		Site Services Unheated Warehouse - Demolish and Decontaminate Building - Fold-away Building (Steel)	7235-BLD- 004	371.6 m2	0.2	3.4	22.4 33.	5 59.4	33 1,250	8,323	12,495 22	068 1.0	372	00% 0%	0% 100%	22,068	0	0 22,068 Type A 2AM- MRY1325	2015 A	Direct
7000 Mine Site	7200 Site Utilities	7230 Power Distribution System	7235 Power Distribution System	BLD	СР	Precast Concrete Foundations - (480 ft2)	СР	Flooring / Foundations	Precast Foundations		Site Services Unheated Warehouse - Demolish and foundations - Precast Footing (Perimeter Beam)	7235-BLD- 004	371.6 m2	0.1	2.2	14.5 21.	38.5	54 809	5,391	8,094 14	295 0.7	75 279	00% 0%	0% 100%	14,295	0	0 14,295 Type A 2AM- MRY1325	2015 A	Direct
7000 Mine Site	7200 Site Utilities	7230 Power Distribution System	7235 Power Distribution System	BLD	EG	Gravel Base Removal	EG	Flooring / Foundations	Total Gravel Base		Site Services Unheated Warehouse - Demolish floor finish - Gravel	7235-BLD- 004	371.6 m2	0.0	0.0	0.0 0.	0.0	0 0	0	0	0 0.0	0 0	00% 0%	0% 100%	0	0	Type A 0 0 2AM- MRY1325	2015 A	Direct
4000 Mine Site	4500 Non Process Facilities	4520 Services Area	4521 Services Buildings	BLD	cs	Slab on Grade - ASSUME 300mm thick	cs	Flooring / Foundations	Slab on Grade		Welding Shop Building #2 - Demolish floor finish - Slab on grade C/W Drainage	4521-BLD- 007	334.5 m2	0.1	1.9	12.5 18.	33.1	12 627	4,177	6,271 11	0.0	0 0	00% 0%	0% 100%	11,075	0	Type A 0 11,075 2AM- MRY1325	2015 A	Direct
4000 Mine Site	4500 Non Process Facilities	4520 Services Area	4521 Services Buildings	BLD	FF2-c	Fold Away Building Contaminated (480 ft2)	FFL-c	Buildings (Contaminated)	Fold Away Building		Welding Shop Building #2 - Demolish and Decontaminate Building - Fold-away Building (Steel)	4521-BLD- 007	334.5 m2	0.6	2.4	56.0 84.	1 142.4 1	787	18,727	28,115 47	629 1.0	00 334	00% 0%	0% 100%	47,629	0	0 47,629 Type A 2AM- MRY1325	2015 A	Direct
4000 Mine Site	4500 Non Process Facilities	4520 Services Area	4521 Services Buildings	BLD	CP	Precast Concrete Foundations - (480 ft2)	СР	Flooring / Foundations	Precast Foundations		Welding Shop Building #2 - Demolish and foundations - Precast Footing (Perimeter Beam)	4521-BLD- 007	334.5 m2	0.1	2.2	14.5 21.	38.5	19 728	4,852	7,285 12	865 0.7	75 251	00% 0%	0% 1009	12,865	0	Type A 0 12,865 2AM- MRY1325	2015 A	Direct
4000 Mine Site	4500 Non Process Facilities	4520 Services Area	4521 Services Buildings	BLD	FF1-c	Modular Building Contaminated (480 ft2)	FTR2-c	Buildings (Contaminated)	Double Trailer (2 or more)		Ore Haul Truck Workshop Office Building - Demolish and Decontaminate Building - Trailer - Modular (2 or more modules)	4521-BLD- 008	267.6 m2	0.6	3.4	56.0 84.	1 143.4 1:	50 900	14,982	22,492 38	373 1.0	00 268	00% 0%	0% 100%	38,373	0	MRY1325	2015 A	Direct
4000 Mine Site	4500 Non Process Facilities	4520 Services Area	4521 Services Buildings	BLD	FW	Timber Cribbing (480 ft2)	FT	Flooring / Foundations	Timber Cribbing		Ore Haul Truck Workshop Office Building - Demolish and foundations - Timber Cribbing to Elevate Building	4521-BLD- 008	267.6 m2	0.1	1.2	7.8 11.	3 20.8	33 315	2,097	3,149 5	561 0.3	80 80	00% 0%	0% 1009	5,561	0	MRY1325	2015 A	Direct
4000 Mine Site	4500 Non Process Facilities	4520 Services Area	4521 Services Buildings	BLD		#N/A	FW	Flooring / Foundations	Wood Floor		Ore Haul Truck Workshop Office Building - Demolish floor finish - Raised Steel or Wooden Floor	4521-BLD- 008	267.6 m2	0 (0	0	0	0 0	0	0	0 0.0		00% 0%	0% 100%	0	0	Type A 0 2AM- MRY1325	2015 A	Direct
4000 Mine Site	4500 Non Process Facilities	4520 Services Area	4521 Services Buildings	BLD	FF1-c	Modular Building Contaminated (480 ft2)	FTR2-c	Buildings (Contaminated)	Double Trailer (2 or more)		Ore Haul Maintenance Building - Demolish and Decontaminate Building - Trailer - Modular (2 or more modules)	4521-BLD- 006	2,415.5 m2	0.6	3.4	56.0 84.	143.4 1,3	8,122	135,250	203,051 346	423 1.0	2,415	00% 0%	0% 100%	346,423	0	MRY1325	2015 A	Direct
4000 Mine Site	4500 Non Process Facilities	4520 Services Area	4521 Services Buildings	BLD	FW	Timber Cribbing (480 ft2)	FT	Flooring / Foundations	Timber Cribbing		Ore Haul Maintenance Building - Demolish and foundations - Timber Cribbing to Elevate Building	4521-BLD- 006	2,415.5 m2	0.1	1.2	7.8 11.	3 20.8 2	98 2,843	18,935	28,427 50	205 0.3	30 725	00% 0%	0% 100%	50,205	0	0 50,205 ZAM- MRY1325	2015 A	Direct
4000 Mine Site	4500 Non Process Facilities	4520 Services Area	4521 Services Buildings	BLD		#N/A	FW	Flooring / Foundations	Wood Floor		Ore Haul Maintenance Building - Demolish floor finish - Raised Steel or Wooden Floor	4521-BLD- 006	2,415.5 m2	0 (0	0	0	0 0	0	0	0 0.0	- 00	00% 0%	0% 100%	0	0	Type A 0 0 2AM- MRY1325	2015 A	Direct
4000 Mine Site	4500 Non Process Facilities	4520 Services Area	4521 Services Buildings	PP-	MM1	Light Equimpent	MM1	Mechanical Equipment	Light Equipment F	Pump	PUMP - ORE HAUL TRUCK WORKSHOP OFFICE WASHCAR RAW WATER PUMP - PLASTIC-MART L: 483, W: 275, H: 267		1.0 Ea	8.1	106.5	09.3 1,065.	1,980.8	8 107	809	1,065 1	981 0.5	50 1	00% 0%	0% 100%	1,981	0	Type A 0 1,981 2AM- MRY1325	2015 A	Direct
4000 Mine Site	4500 Non Process Facilities	4520 Services Area	4521 Services Buildings	TK-	MT1	Light Tanks	MT1	Mechanical Equipment	Light Tanks		TANK - ORE HAUL TRUCK WORKSHOP OFFICE WASHCAR RAW WATER TANK - SIMER JET PUMPS 2205C L: 1803, W: 1245, H: 1346		1.0 Ea	9.7	107.5	65.8 1,075.	2,148.3	10 108	966	1,075 2	148 1.0	00 1	00% 0%	0% 100%	2,148	0	Type A 0 2,148 2AM- MRY1325	2015 A	Direct
4000 Mine Site	4500 Non Process Facilities	4520 Services Area	4521 Services Buildings	TK-	MT1	Light Tanks	MT1	Mechanical Equipment	Light Tanks		TANK - ORE HAUL TRUCK WORKSHOP OFFICE WASHCAR SEWAGE COLLECTION TANK		1.0 Ea	9.7	107.5	65.8 1,075.	2,148.3	108	966	1,075 2	148 1.0	00 1	00% 0%	0% 100%	2,148	0	0 2,148 Type A 2AM- MRY1325	2015 A	Direct

12/13/2014

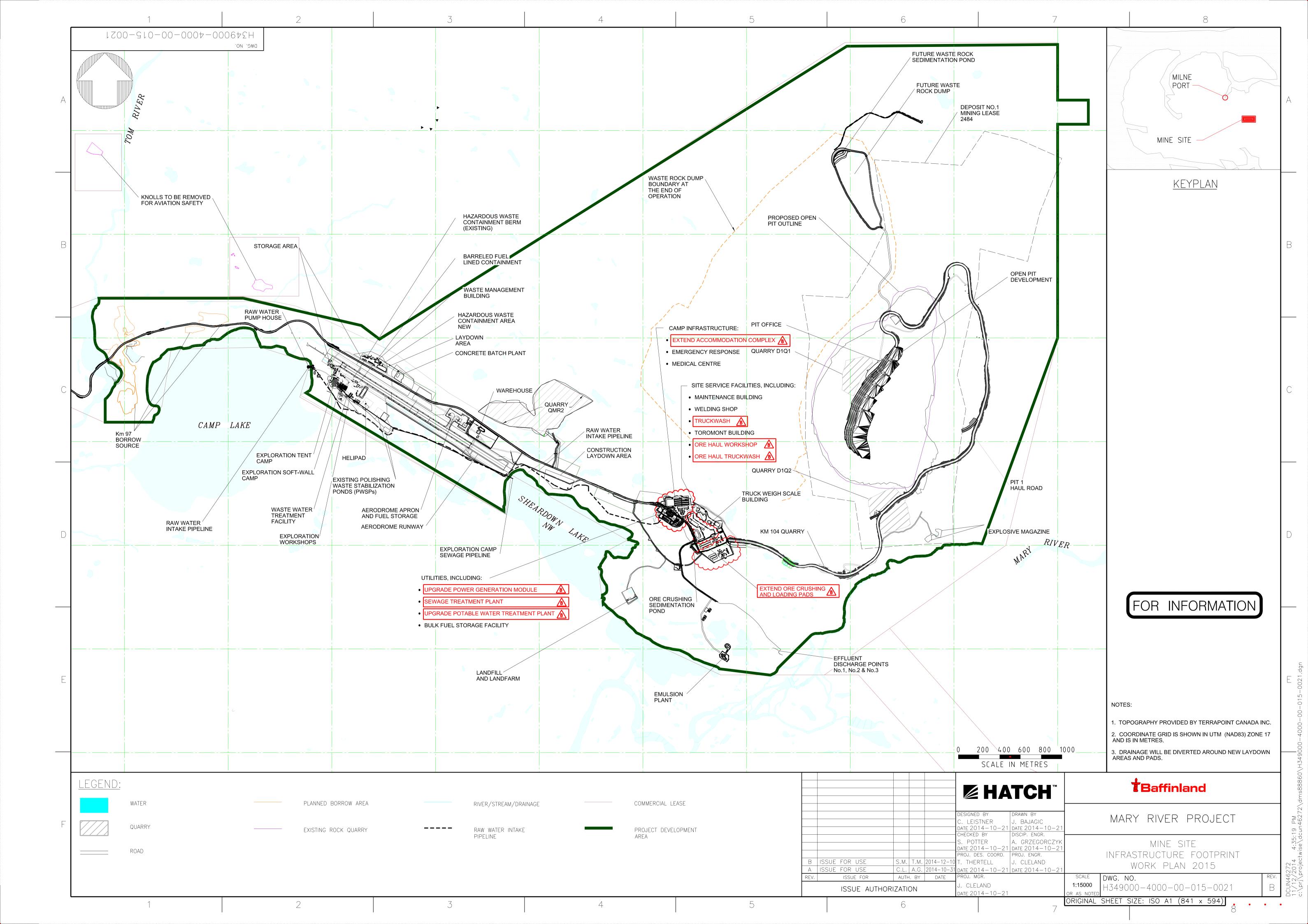


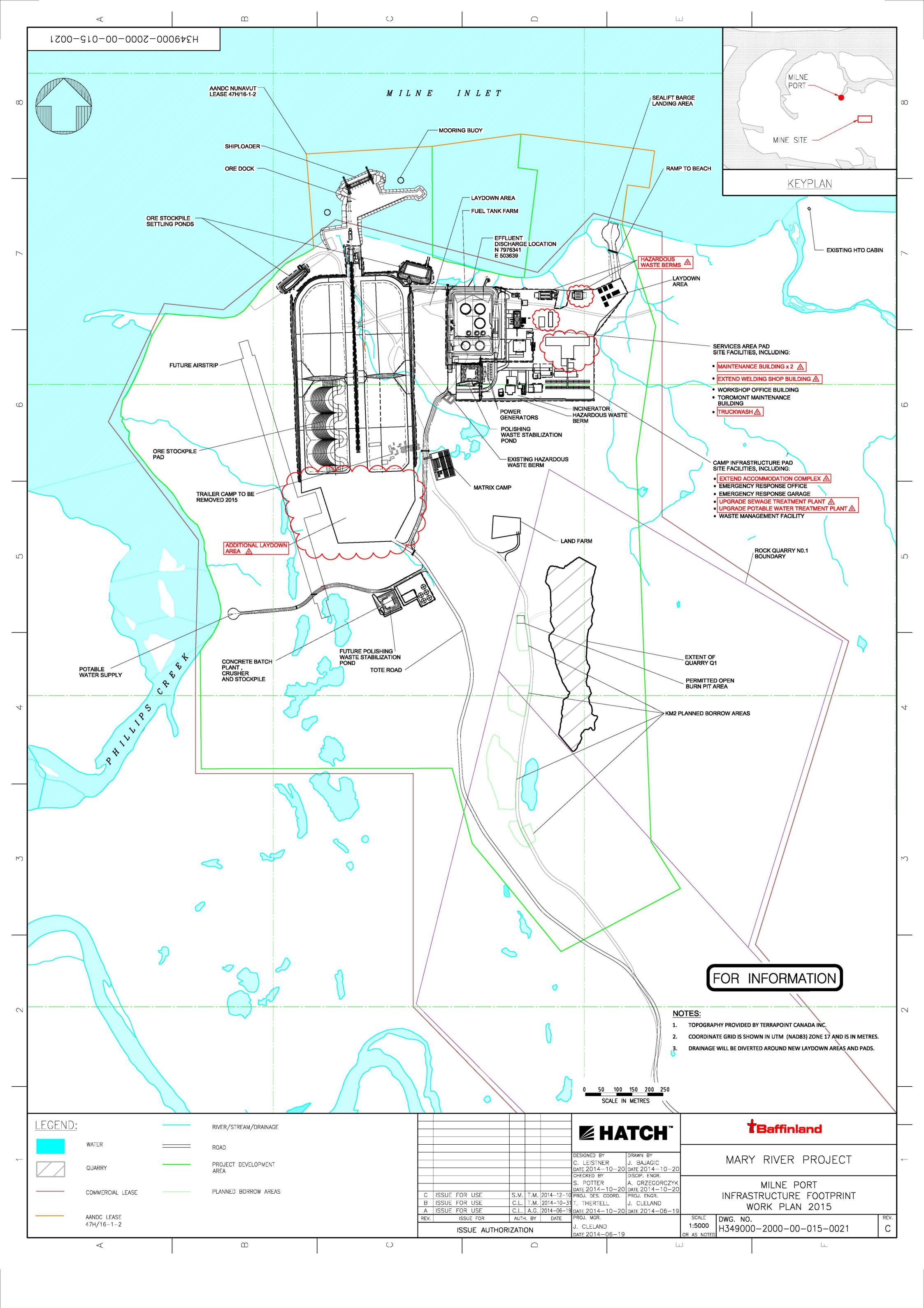


Appendix B: Updated Site Layouts

Mine Site Infrastructure Footprint Work Plan 2015 Layout H349000-4000-00-015-0021

Milne Port Infrastructure Footprint Work Plan 2015 Layout H349000-2000-00-015-0021









Appendix C: Supporting Documentation

2015 Work Plan Addendum – Mechanical and Mobile Equipment H349001-1000-50-144-0001

2015 Work Plan Addendum – Master Building Matrix H349001-1000-00-144-0001







Mechanical Equipment List
Mary River Project - 2015 Work Plan Addendum
Revision 2

												H349001-1000-5	50-144-0001
		Identification	ı					Design Da	Technical	Supp. Information		Procurement	
Equip Rev	Area	Description	Equip Code	Equipment Type	EngStatus	Const. Type	Dimension (mm) I x w x h	Operating Mode	Design Capacity	Remarks	Model Number	Manufacturer	Supply Package
	2000	INTEGRATED TOOLCARRIER WINCH TRUCK	MO MO	MOBILE EQUIPMENT MOBILE EQUIPMENT	PRELIMINARY PRELIMINARY	NEW NEW	X W X II	INTERMITTENT INTERMITTENT			IT38	CAT IT38	P2PM222 P2PM226D
-	2144	WAINTENANCE FUEL/LUBE TRUCK , EXCAVATOR ,	MO MO	MOBILE EQUIPMENT MOBILE EQUIPMENT	PRELIMINARY PRELIMINARY	NEW NEW		INTERMITTENT		320 RUBBER TIRE	- M322D	PETERBILT CAT M322D	P2PM222
-	4000 4000	1.35 MW GENERATOR, 1.35 MW GENERATOR,	GE GE	GENERATOR GENERATOR	PRELIMINARY PRELIMINARY	NEW NEW		INTERMITTENT	1.35 MW 1.35 MW	320 NOBBER TIKE	C1600D6RG C1600D6RG	CUMMINS CUMMINS	P2PE201 P2PE201
-	4000 4000 4000	L35 MW GENERATOR, CAT 777 DUMP BOX	GE -	GENERATOR SPARES	PRELIMINARY PRELIMINARY	NEW NEW		INTERMITTENT	1.35 MW	FOR CAT 777G	C1600D6RG	CUMMINS	P2PE201 P2PM222
	4000	CAT 777 DUMP BOX	- MO	SPARES	PRELIMINARY PRELIMINARY	NEW NEW		INTERMITTENT		FOR CAT 777G FOLLOW-ME-WOBBLY COMPACTOR	-	-	P2PM222 P2PM222
	4000	COMPACTOR, EXCAVATOR,	MO	MOBILE EQUIPMENT MOBILE EQUIPMENT	PRELIMINARY	NEW		INTERMITTENT		FOR 16M GRADER HYDRAULIC SHOVEL	6015	CAT 6015	P2PM222
	4000	INTEGRATED TOOLCARRIER WATER TRUCK	MO MO	MOBILE EQUIPMENT MOBILE EQUIPMENT	PRELIMINARY PRELIMINARY	NEW		INTERMITTENT	5400 GAL.	W/SPRAY BAR	IT38 -	CAT IT38 PETERBILT	P2PM222 P2PM226E
-	4000	WATER TRUCK WINCH TRUCK	MO MO	MOBILE EQUIPMENT MOBILE EQUIPMENT	PRELIMINARY PRELIMINARY	NEW	1. 10010	INTERMITTENT	5400 GAL.	W/SPRAY BAR		PETERBILT -	PM207-08 P2PM226D
-	4142 4144	TOTE ROAD ORE HAUL TRUCK - PUP TRAILER , MAINTENANCE FUELLUBE TRUCK , DEMANDA COPERANIC OF ANTUNE A	MO MO	MOBILE EQUIPMENT MOBILE EQUIPMENT	PRELIMINARY PRELIMINARY PRELIMINARY	NEW	L: 10240	INTERMITTENT INTERMITTENT CONTINUOUS	75 T	DOUBLE TRAIN SIDE DUMP.	S4 (75 T) - FS302	SMITHCO S4 (75T) PETERBILT METSO FS303	P2PM225 P2PM201
-	4381 4381	PRIMARY SCREENING PLANT LINE 3, SECONDARY SCREENING PLANT LINE 3,	SC SC	SCREEN SCREEN	PRELIMINARY	NEW	1. 100	CONTINUOUS	600 TPH 600 TPH	SCREEN PLANT SCREEN PLANT 1/2 HP ELECTRIC PUMP	FS302 FS353	METSO FS303 METSO FS353 PLASTIC-MART	P2PM201 P2PM201
-	4521 4521	ORE HAUL TRUCK WORKSHOP OFFICE WASHCAR RAW WATER PUMP, ORE HAUL TRUCK WORKSHOP OFFICE WASHCAR RAW WATER TANK,	PP TK	PUMP TANK		NEW	L: 483 L: 1803	CONTINUOUS	65 PSI 525 GAL TANK	HORIZONTAL TANK WITH >48 HOURS CAPACITY		SIMER JET PUMPS 2205C	
	4521 2140	ORE HAUL TRUCK WORKSHOP OFFICE WASHCAR SEWAGE COLLECTION TANK, PICKUP TRUCK.	TK MO	TANK MOBILE EQUIPMENT	PRELIMINARY	NEW NEW	L: 6274 W: 2665	CONTINUOUS	3300 KG PAYLOAD		F350	FORD F350	P2PM212A
	2140	PICKUP TRUCK,	мо	MOBILE EQUIPMENT	PRELIMINARY	NEW	H: 2032 L: 6274	INTERMITTENT	3300 KG PAYLOAD		F350	FORD F350	P2PM212A
-							W: 2665 H: 2032 L: 6274						
-	2140	PICKUP TRUCK,	МО	MOBILE EQUIPMENT	PRELIMINARY	NEW	W: 2665 H: 2032 L: 6274	INTERMITTENT	3300 KG PAYLOAD		F350	FORD F350	P2PM212A
-	2140	PICKUP TRUCK,	МО	MOBILE EQUIPMENT	PRELIMINARY	NEW	W: 2665 H: 2032 L: 6274	INTERMITTENT	3300 KG PAYLOAD		F350	FORD F350	P2PM212A
-	2140	PICKUP TRUCK,	МО	MOBILE EQUIPMENT	PRELIMINARY	NEW	W: 2665 H: 2032 L: 6274	INTERMITTENT	3300 KG PAYLOAD		F350	FORD F350	P2PM212A
-	2140	PICKUP TRUCK,	МО	MOBILE EQUIPMENT	PRELIMINARY	NEW	W: 2665 H: 2032 L: 6274	INTERMITTENT	3300 KG PAYLOAD		F350	FORD F350	P2PM212A
-	2140	PICKUP TRUCK,	МО	MOBILE EQUIPMENT	PRELIMINARY	NEW	W: 2665 H: 2032 L: 6274	INTERMITTENT	3300 KG PAYLOAD		F350	FORD F350	P2PM212A
-	2140	PICKUP TRUCK,	МО	MOBILE EQUIPMENT	PRELIMINARY	NEW	W: 2665 H: 2032 L: 6274	INTERMITTENT	3300 KG PAYLOAD		F350	FORD F350	P2PM212A
-	2140	PICKUP TRUCK,	МО	MOBILE EQUIPMENT	PRELIMINARY	NEW	W: 2665 H: 2032 L: 6274	INTERMITTENT	3300 KG PAYLOAD		F350	FORD F350	P2PM212A
-	2140	PICKUP TRUCK,	МО	MOBILE EQUIPMENT	PRELIMINARY	NEW	W: 2665 H: 2032	INTERMITTENT	3300 KG PAYLOAD		F350	FORD F350	P2PM212A
-	2142	STOCKPILE RECLAIM FRONT END LOADER,	МО	MOBILE EQUIPMENT	PRELIMINARY	NEW	L: 10390 W: 3600 H: 4115	INTERMITTENT	4.5 - 5.4 M3 BUCKET	HIGH LIFT	988H	CAT 988H	P2PM222
-	2142	STOCKPILE RECLAIM FRONT END LOADER,	МО	MOBILE EQUIPMENT	PRELIMINARY	NEW	L: 10390 W: 3600 H: 4115	INTERMITTENT	4.5 - 5.4 M3 BUCKET	HIGH LIFT	988H	CAT 988H	P2PM222
-	2143	GRADER,	МО	MOBILE EQUIPMENT	PRELIMINARY	NEW	L: 9994 W: 3077 H: 3524	INTERMITTENT		W/V-Plow	16M	CAT 16M	P2PM222E
-	2143	MECHANICS TRUCK,	МО	MOBILE EQUIPMENT	PRELIMINARY	NEW	L: 7264 W: 2418 H: 2022	INTERMITTENT			F550	FORD F550	P2PM226C
-	2143	MOBILE LIGHT PLANT,	МО	MOBILE EQUIPMENT	PRELIMINARY	NEW	L: 4623 W: 2007 H: 9000	INTERMITTENT	4000W	4 X 1000W LIGHTS	AL4	TEREX AL4	P2PM211
-	2143	MOBILE LIGHT PLANT,	МО	MOBILE EQUIPMENT	PRELIMINARY	NEW	L: 4623 W: 2007 H: 9000	INTERMITTENT	4000W	4 X 1000W LIGHTS	AL4	TEREX AL4	P2PM211
-	2143	MOBILE LIGHT PLANT,	МО	MOBILE EQUIPMENT	PRELIMINARY	NEW	L: 4623 W: 2007 H: 9000	INTERMITTENT	4000W	4 X 1000W LIGHTS	AL4	TEREX AL4	P2PM211
-	2143	MOBILE LIGHT PLANT,	МО	MOBILE EQUIPMENT	PRELIMINARY	NEW	L: 4623 W: 2007 H: 9000	INTERMITTENT	4000W	4 X 1000W LIGHTS	AL4	TEREX AL4	P2PM211
-	2143	MOBILE LIGHT PLANT,	МО	MOBILE EQUIPMENT	PRELIMINARY	NEW	L: 4623 W: 2007 H: 9000	INTERMITTENT	4000W	4 X 1000W LIGHTS	AL4	TEREX AL4	P2PM211
-	2143	SERVICE TRUCK,	МО	MOBILE EQUIPMENT	PRELIMINARY	NEW	L: 11684	INTERMITTENT				PETERBILT/ FREIGHTLINER	P2PM216
-	2144	CONTAINER HANDLER,	МО	MOBILE EQUIPMENT	PRELIMINARY	NEW	W: 3454 H: 2146	INTERMITTENT	50 TON CAPACITY	ROUGH TERRAIN - CAPABLE OF 20' & 40' ISO CONTAINERS	DRF 450- 6555	KALMAR DRF 450-6555	P2PM217B
-	2144	MAINTENANCE FUEL/LUBE TRUCK , STOCKPILE MOBILE FEEDER ,	MO FE	MOBILE EQUIPMENT FEEDER	PRELIMINARY PRELIMINARY	NEW		INTERMITTENT	DESIGN: 500 TPH	NOMINAL: 375 TPH	-	PETERBILT MASABA MINING EQUIPMENT	P2PM226A P2PM201
-		STOCKPILE MOBILE STACKER,	ST	STACKER / STOCKPILE	PRELIMINARY	NEW	L: 230000	INTERMITTENT	DESIGN: 662 TPH	BELT SPEED 350 FPM @ 18 DEGREES		MASABA MINING EQUIPMENT	+
-	2342	JUMP CONVEYOR, JUMP CONVEYOR,	cv	CONVEYING	PRELIMINARY PRELIMINARY	NEW	W: 1524 □	INTERMITTENT	6000 tph	DIESEL POWERED DRIVE		MASABA MINING EQUIPMENT MASABA MINING EQUIPMENT	+
-	2342 2342	RECLAIM MOBILE FEEDER, STOCKPILE RECLAIM EXTENSION CONVEYOR,	FE CV	FEEDER CONVEYING	PRELIMINARY PRELIMINARY	NEW NEW		INTERMITTENT	DESIGN: 2500 TPH	NOMINAL: 1800 TPH		MASABA MINING EQUIPMENT	P2PM201
-	2523 2720	POTABLE WATER STORAGE TANK, POTABLE WATER STORAGE TANK,	VP TK	VENDOR PACKAGE TANK	PRELIMINARY PRELIMINARY	NEW NEW		INTERMITTENT	20 m3				P2PM214 P2PM203
-	2720	RAW WATER TANK,	TK	TANK	PRELIMINARY	NEW	L: 6274	CONTINUOUS	25 m3				P2PM203
-	4140	PICKUP TRUCK,	МО	MOBILE EQUIPMENT	PRELIMINARY	NEW	W: 2665 H: 2032 L: 6274	INTERMITTENT	3300 KG PAYLOAD		F350	FORD F350	P2PM212A
-	4140	PICKUP TRUCK,	МО	MOBILE EQUIPMENT	PRELIMINARY	NEW	W: 2665 H: 2032 L: 10445	INTERMITTENT	3300 KG PAYLOAD		F350	FORD F350	P2PM212A
-	4141	MINE HAUL TRUCK,	МО	MOBILE EQUIPMENT	PRELIMINARY	NEW	W: 6706 H: 5840	INTERMITTENT	RATED PAYLOAD 90 TON		777G	CAT 777G	P2PM222D
-	4141	MINE HAUL TRUCK,	МО	MOBILE EQUIPMENT	PRELIMINARY	NEW	L: 10445 W: 6706 H: 5840	INTERMITTENT	RATED PAYLOAD 90 TON		777G	CAT 777G	P2PM222D
-	4141	MINE HAUL TRUCK,	МО	MOBILE EQUIPMENT	PRELIMINARY	NEW	L: 10445 W: 6706 H: 5840	INTERMITTENT	RATED PAYLOAD 90 TON		777G	CAT 777G	P2PM222D
-	4141	MINE HAUL TRUCK,	МО	MOBILE EQUIPMENT	PRELIMINARY	NEW	L: 10445 W: 6706 H: 5840	INTERMITTENT	RATED PAYLOAD 90 TON		777G	CAT 777G	P2PM222D
-	4141	MINE HAUL TRUCK ,	МО	MOBILE EQUIPMENT	PRELIMINARY	NEW	L: 10445 W: 6706 H: 5840	INTERMITTENT	RATED PAYLOAD 90 TON		777G	CAT 777G	P2PM222D
	4141	MINE HAUL TRUCK ,	МО	MOBILE EQUIPMENT	PRELIMINARY	NEW	L: 10445 W: 6706 H: 5840	INTERMITTENT	RATED PAYLOAD 90 TON		777G	CAT 777G	P2PM222D
-	4141	MINE SITE GRADER,	МО	MOBILE EQUIPMENT	PRELIMINARY	NEW	L: 9994 W: 3077 H: 3524	INTERMITTENT	2.31 M MAX REACH		16M	CAT 16M	P2PM222E
-	4141	PRODUCTION FRONT END LOADER,	МО	MOBILE EQUIPMENT	PRELIMINARY	NEW	L: 16877 W: 6000 H: 7000	INTERMITTENT	14 - 36 M3 BUCKET		992K	CAT 992K	P2PM222
-	4141	SINGLE PASS, PRODUCTION DRILL ,	МО	MOBILE EQUIPMENT	PRELIMINARY	NEW	L: 11910	INTERMITTENT	345 HP, 3.5 M3		MD6290	CAT MD6290	P2PM222
-	4142	EXCAVATOR,	МО	MOBILE EQUIPMENT	PRELIMINARY	NEW	W: 3490 H: 3770 L: 9994	INTERMITTENT	BUCKET		345	CAT 345DL	P2PM222G
-	4142	GRADER,	МО	MOBILE EQUIPMENT	PRELIMINARY	NEW	W: 3077 H: 3524 L: 10390	INTERMITTENT			16M	CAT 16M	P2PM222E
-	4142	MOBILE CRUSHING FRONT END LOADER,	МО	MOBILE EQUIPMENT	PRELIMINARY	NEW	W: 3600 H: 4115 L: 10390	INTERMITTENT	4.5 - 5.4 M3 BUCKET		988H	CAT 988H	P2PM222
-	4142	MOBILE CRUSHING FRONT END LOADER,	МО	MOBILE EQUIPMENT	PRELIMINARY	NEW	W: 3600 H: 4115 L: 3277	INTERMITTENT	4.5 - 5.4 M3 BUCKET	HIGH LIFT	988H	CAT 988H	P2PM222
-	4142	ORE HAUL TRUCK FRONT END LOADER,	МО	MOBILE EQUIPMENT	PRELIMINARY	NEW	W: 1676 H: 3810	INTERMITTENT	4.5 - 5.4 M3 BUCKET	HIGH LIFT	988H	CAT 988H	P2PM222
-	4142	ORE HAUL TRUCK FRONT END LOADER,	МО	MOBILE EQUIPMENT	PRELIMINARY	NEW	L: 3277 W: 1676 H: 3810	INTERMITTENT	4.5 - 5.4 M3 BUCKET	HIGH LIFT	988H	CAT 988H	P2PM222
-	4142	TOTE ROAD ORE HAUL TRUCK - LEAD TRAILER ,	МО	MOBILE EQUIPMENT	PRELIMINARY	NEW	L: 10240 W: 3060 H: 4210	INTERMITTENT	75 T	DOUBLE TRAIN SIDE DUMP.	S4 (75 T)	SMITHCO S4 (75T)	P2PM225
-	4142	TOTE ROAD ORE HAUL TRUCK - LEAD TRAILER ,	МО	MOBILE EQUIPMENT	PRELIMINARY	NEW	L: 10240 W: 3060 H: 4210	INTERMITTENT	75 T	DOUBLE TRAIN SIDE DUMP.	S4 (75 T)	SMITHCO S4 (75T)	P2PM225
-	4142	TOTE ROAD ORE HAUL TRUCK - LEAD TRAILER ,	МО	MOBILE EQUIPMENT	PRELIMINARY	NEW	L: 10240 W: 3060 H: 4210	INTERMITTENT	75 T	DOUBLE TRAIN SIDE DUMP.	S4 (75 T)	SMITHCO S4 (75T)	P2PM225
	4142	TOTE ROAD ORE HAUL TRUCK - LEAD TRAILER ,	МО	MOBILE EQUIPMENT	PRELIMINARY	NEW	L: 10240 W: 3060 H: 4210	INTERMITTENT	75 T	DOUBLE TRAIN SIDE DUMP.	S4 (75 T)	SMITHCO S4 (75T)	P2PM225
-	4142	TOTE ROAD ORE HAUL TRUCK - LEAD TRAILER ,	МО	MOBILE EQUIPMENT	PRELIMINARY	NEW	L: 10240 W: 3060 H: 4210	INTERMITTENT	75 T	DOUBLE TRAIN SIDE DUMP.	S4 (75 T)	SMITHCO S4 (75T)	P2PM225
-	4142	TOTE ROAD ORE HAUL TRUCK - LEAD TRAILER ,	МО	MOBILE EQUIPMENT	PRELIMINARY	NEW	H: 4210 L: 10240 W: 3060 H: 4210	INTERMITTENT	75 T	DOUBLE TRAIN SIDE DUMP.	S4 (75 T)	SMITHCO S4 (75T)	P2PM225
	4142	TOTE ROAD ORE HAUL TRUCK - LEAD TRAILER ,	МО	MOBILE EQUIPMENT	PRELIMINARY	NEW	L: 10240 W: 3060	INTERMITTENT	75 T	DOUBLE TRAIN SIDE DUMP.	S4 (75 T)	SMITHCO S4 (75T)	P2PM225
-							H: 4210			i			•
-		TOTE ROAD ORE HAUL TRUCK - LEAD TRAILER ,	МО	MOBILE EQUIPMENT	PRELIMINARY	NEW	L: 10240 W: 3060 H: 4210	INTERMITTENT	75 T	DOUBLE TRAIN SIDE DUMP.	S4 (75 T)	SMITHCO S4 (75T)	P2PM225





Mechanical Equipment List
Mary River Project - 2015 Work Plan Addendum
Revision 2

H349001-1000-50-144-0001

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		Identification	1					Design Da	Technical ta	Supp. Information		Procurement	
Equip Rev	Area	Description	Equip Code	Equipment Type	EngStatus	Const. Type	Dimension (mm) I x w x h	Operating Mode	Design Capacity	Remarks	Model Number	Manufacturer	Supply Package
-	4142	TOTE ROAD ORE HAUL TRUCK - LEAD TRAILER ,	МО	MOBILE EQUIPMENT	PRELIMINARY	NEW	L: 10240 W: 3060 H: 4210	INTERMITTENT	75 T	DOUBLE TRAIN SIDE DUMP.	S4 (75 T)	SMITHCO S4 (75T)	P2PM225
-	4142	TOTE ROAD ORE HAUL TRUCK - LEAD TRAILER ,	МО	MOBILE EQUIPMENT	PRELIMINARY	NEW	L: 10240 W: 3060 H: 4210	INTERMITTENT	75 T	DOUBLE TRAIN SIDE DUMP.	S4 (75 T)	SMITHCO S4 (75T)	P2PM225
-	4142	TOTE ROAD ORE HAUL TRUCK - LEAD TRAILER ,	МО	MOBILE EQUIPMENT	PRELIMINARY	NEW	L: 10240 W: 3060 H: 4210	INTERMITTENT	75 T	DOUBLE TRAIN SIDE DUMP.	S4 (75 T)	SMITHCO S4 (75T)	P2PM225
-	4142	TOTE ROAD ORE HAUL TRUCK - LEAD TRAILER ,	МО	MOBILE EQUIPMENT	PRELIMINARY	NEW	L: 10240 W: 3060 H: 4210	INTERMITTENT	75 T	DOUBLE TRAIN SIDE DUMP.	S4 (75 T)	SMITHCO S4 (75T)	P2PM225
-	4142	TOTE ROAD ORE HAUL TRUCK - LEAD TRAILER ,	МО	MOBILE EQUIPMENT	PRELIMINARY	NEW	L: 10240 W: 3060 H: 4210	INTERMITTENT	75 T	DOUBLE TRAIN SIDE DUMP.	S4 (75 T)	SMITHCO S4 (75T)	P2PM225
-	4142	TOTE ROAD ORE HAUL TRUCK - LEAD TRAILER ,	МО	MOBILE EQUIPMENT	PRELIMINARY	NEW	L: 10240 W: 3060 H: 4210	INTERMITTENT	75 T	DOUBLE TRAIN SIDE DUMP.	S4 (75 T)	SMITHCO S4 (75T)	P2PM225
-	4142	TOTE ROAD ORE HAUL TRUCK - LEAD TRAILER ,	МО	MOBILE EQUIPMENT	PRELIMINARY	NEW	L: 10240 W: 3060 H: 4210	INTERMITTENT	75 T	DOUBLE TRAIN SIDE DUMP.	S4 (75 T)	SMITHCO S4 (75T)	P2PM225
-	4142	TOTE ROAD ORE HAUL TRUCK - PUP TRAILER ,	МО	MOBILE EQUIPMENT	PRELIMINARY	NEW	L: 10240 W: 3060 H: 4210	INTERMITTENT	75 T	DOUBLE TRAIN SIDE DUMP.	S4 (75 T)	SMITHCO S4 (75T)	P2PM225
-	4142	TOTE ROAD ORE HAUL TRUCK - PUP TRAILER ,	МО	MOBILE EQUIPMENT	PRELIMINARY	NEW	L: 10240 W: 3060 H: 4210	INTERMITTENT	75 T	DOUBLE TRAIN SIDE DUMP.	S4 (75 T)	SMITHCO S4 (75T)	P2PM225
-	4142	TOTE ROAD ORE HAUL TRUCK - PUP TRAILER ,	МО	MOBILE EQUIPMENT	PRELIMINARY	NEW	L: 10240 W: 3060 H: 4210	INTERMITTENT	75 T	DOUBLE TRAIN SIDE DUMP.	S4 (75 T)	SMITHCO S4 (75T)	P2PM225
-	4142	TOTE ROAD ORE HAUL TRUCK - PUP TRAILER ,	МО	MOBILE EQUIPMENT	PRELIMINARY	NEW	L: 10240 W: 3060 H: 4210	INTERMITTENT	75 T	DOUBLE TRAIN SIDE DUMP.	S4 (75 T)	SMITHCO S4 (75T)	P2PM225
-	4142	TOTE ROAD ORE HAUL TRUCK - PUP TRAILER ,	МО	MOBILE EQUIPMENT	PRELIMINARY	NEW	L: 10240 W: 3060 H: 4210	INTERMITTENT	75 T	DOUBLE TRAIN SIDE DUMP.	S4 (75 T)	SMITHCO S4 (75T)	P2PM225
-	4142	TOTE ROAD ORE HAUL TRUCK - PUP TRAILER ,	МО	MOBILE EQUIPMENT	PRELIMINARY	NEW	L: 10240 W: 3060 H: 4210	INTERMITTENT	75 T	DOUBLE TRAIN SIDE DUMP.	S4 (75 T)	SMITHCO S4 (75T)	P2PM225
-	4142	TOTE ROAD ORE HAUL TRUCK - PUP TRAILER ,	МО	MOBILE EQUIPMENT	PRELIMINARY	NEW	H: 4210 L: 10240 W: 3060 H: 4210	INTERMITTENT	75 T	DOUBLE TRAIN SIDE DUMP.	S4 (75 T)	SMITHCO S4 (75T)	P2PM225
-	4142	TOTE ROAD ORE HAUL TRUCK - PUP TRAILER ,	МО	MOBILE EQUIPMENT	PRELIMINARY	NEW	L: 10240 W: 3060 H: 4210	INTERMITTENT	75 T	DOUBLE TRAIN SIDE DUMP.	S4 (75 T)	SMITHCO S4 (75T)	P2PM225
-	4142	TOTE ROAD ORE HAUL TRUCK - PUP TRAILER ,	МО	MOBILE EQUIPMENT	PRELIMINARY	NEW	L: 10240 W: 3060 H: 4210	INTERMITTENT	75 T	DOUBLE TRAIN SIDE DUMP.	S4 (75 T)	SMITHCO S4 (75T)	P2PM225
-	4142	TOTE ROAD ORE HAUL TRUCK - PUP TRAILER ,	МО	MOBILE EQUIPMENT	PRELIMINARY	NEW	H: 4210 L: 10240 W: 3060 H: 4210	INTERMITTENT	75 T	DOUBLE TRAIN SIDE DUMP.	S4 (75 T)	SMITHCO S4 (75T)	P2PM225
-	4142	TOTE ROAD ORE HAUL TRUCK - PUP TRAILER ,	МО	MOBILE EQUIPMENT	PRELIMINARY	NEW	L: 10240 W: 3060 H: 4210	INTERMITTENT	75 T	DOUBLE TRAIN SIDE DUMP.	S4 (75 T)	SMITHCO S4 (75T)	P2PM225
-	4142	TOTE ROAD ORE HAUL TRUCK - PUP TRAILER ,	МО	MOBILE EQUIPMENT	PRELIMINARY	NEW	L: 10240 W: 3060 H: 4210	INTERMITTENT	75 T	DOUBLE TRAIN SIDE DUMP.	S4 (75 T)	SMITHCO S4 (75T)	P2PM225
-	4142	TOTE ROAD ORE HAUL TRUCK - PUP TRAILER ,	МО	MOBILE EQUIPMENT	PRELIMINARY	NEW	L: 10240 W: 3060 H: 4210	INTERMITTENT	75 T	DOUBLE TRAIN SIDE DUMP.	S4 (75 T)	SMITHCO S4 (75T)	P2PM225
-	4142	TOTE ROAD ORE HAUL TRUCK - PUP TRAILER ,	МО	MOBILE EQUIPMENT	PRELIMINARY	NEW	L: 10240 W: 3060 H: 4210	INTERMITTENT	75 T	DOUBLE TRAIN SIDE DUMP.	S4 (75 T)	SMITHCO S4 (75T)	P2PM225
-	4142	TOTE ROAD ORE HAUL TRUCK - PUP TRAILER ,	МО	MOBILE EQUIPMENT	PRELIMINARY	NEW	H: 4210 L: 10240 W: 3060 H: 4210	INTERMITTENT	75 T	DOUBLE TRAIN SIDE DUMP.	S4 (75 T)	SMITHCO S4 (75T)	P2PM225
-	4142	TOTE ROAD ORE HAUL TRUCK - TRACTOR ,	МО	MOBILE EQUIPMENT	PRELIMINARY	NEW	L: 10080 W: 3060 H: 3900	INTERMITTENT	600 HP, 150T (2 75T)	6 WHEEL DRIVE, PLANETARY GEAR, 3" PIN	6900 XD	WESTERN STAR 6900XD	P2PM224
-	4142	TOTE ROAD ORE HAUL TRUCK - TRACTOR ,	МО	MOBILE EQUIPMENT	PRELIMINARY	NEW	L: 10080 W: 3060	INTERMITTENT	600 HP, 150T (2 75T)	6 WHEEL DRIVE, PLANETARY GEAR, 3" PIN	6900 XD	WESTERN STAR 6900XD	P2PM224
-	4142	TOTE ROAD ORE HAUL TRUCK - TRACTOR ,	МО	MOBILE EQUIPMENT	PRELIMINARY	NEW	H: 3900 L: 10080 W: 3060	INTERMITTENT	600 HP, 150T (2 75T)	6 WHEEL DRIVE, PLANETARY GEAR, 3" PIN	6900 XD	WESTERN STAR 6900XD	P2PM224
-	4142	TOTE ROAD ORE HAUL TRUCK - TRACTOR ,	MO	MOBILE EQUIPMENT	PRELIMINARY	NEW	H: 3900 L: 10080 W: 3060	INTERMITTENT	600 HP, 150T (2 75T)	6 WHEEL DRIVE, PLANETARY GEAR, 3" PIN	6900 XD	WESTERN STAR 6900XD	P2PM224
-	4142	TOTE ROAD ORE HAUL TRUCK - TRACTOR ,	МО	MOBILE EQUIPMENT	PRELIMINARY	NEW	H: 3900 L: 10080 W: 3060	INTERMITTENT	600 HP, 150T (2 75T)	6 WHEEL DRIVE, PLANETARY GEAR, 3" PIN	6900 XD	WESTERN STAR 6900XD	P2PM224
-	4142	TOTE ROAD ORE HAUL TRUCK - TRACTOR ,	МО	MOBILE EQUIPMENT	PRELIMINARY	NEW	H: 3900 L: 10080 W: 3060	INTERMITTENT	600 HP, 150T (2 75T)	6 WHEEL DRIVE, PLANETARY GEAR, 3" PIN	6900 XD	WESTERN STAR 6900XD	P2PM224
-	4142	TOTE ROAD ORE HAUL TRUCK - TRACTOR ,	МО	MOBILE EQUIPMENT	PRELIMINARY	NEW	H: 3900 L: 10080 W: 3060	INTERMITTENT	600 HP, 150T (2 75T)	6 WHEEL DRIVE, PLANETARY GEAR, 3" PIN	6900 XD	WESTERN STAR 6900XD	P2PM224
-	4142	TOTE ROAD ORE HAUL TRUCK - TRACTOR ,	МО	MOBILE EQUIPMENT	PRELIMINARY	NEW	H: 3900 L: 10080 W: 3060	INTERMITTENT	600 HP, 150T (2 75T)	6 WHEEL DRIVE, PLANETARY GEAR, 3" PIN	6900 XD	WESTERN STAR 6900XD	P2PM224
-	4142	TOTE ROAD ORE HAUL TRUCK - TRACTOR ,	MO	MOBILE EQUIPMENT	PRELIMINARY	NEW	H: 3900 L: 10080 W: 3060	INTERMITTENT	600 HP, 150T (2 75T)	6 WHEEL DRIVE, PLANETARY GEAR, 3" PIN	6900 XD	WESTERN STAR 6900XD	P2PM224
-	4142	TOTE ROAD ORE HAUL TRUCK - TRACTOR ,	МО	MOBILE EQUIPMENT	PRELIMINARY	NEW	H: 3900 L: 10080 W: 3060	INTERMITTENT	600 HP, 150T (2 75T)	6 WHEEL DRIVE, PLANETARY GEAR, 3" PIN	6900 XD	WESTERN STAR 6900XD	P2PM224
-	4142	TOTE ROAD ORE HAUL TRUCK - TRACTOR ,	МО	MOBILE EQUIPMENT	PRELIMINARY	NEW	H: 3900 L: 10080 W: 3060	INTERMITTENT	600 HP, 150T (2 75T)	6 WHEEL DRIVE, PLANETARY GEAR, 3" PIN	6900 XD	WESTERN STAR 6900XD	P2PM224
-	4142	TOTE ROAD ORE HAUL TRUCK - TRACTOR ,	МО	MOBILE EQUIPMENT	PRELIMINARY	NEW	H: 3900 L: 10080 W: 3060	INTERMITTENT	600 HP, 150T (2 75T)	6 WHEEL DRIVE, PLANETARY GEAR, 3" PIN	6900 XD	WESTERN STAR 6900XD	P2PM224
-	4142	TOTE ROAD ORE HAUL TRUCK - TRACTOR ,	МО	MOBILE EQUIPMENT	PRELIMINARY	NEW	H: 3900 L: 10080 W: 3060	INTERMITTENT	600 HP, 150T (2 75T)	6 WHEEL DRIVE, PLANETARY GEAR, 3" PIN	6900 XD	WESTERN STAR 6900XD	P2PM224
-	4142	TOTE ROAD ORE HAUL TRUCK - TRACTOR ,	MO	MOBILE EQUIPMENT	PRELIMINARY	NEW	H: 3900 L: 10080 W: 3060	INTERMITTENT	600 HP, 150T (2 75T)	6 WHEEL DRIVE, PLANETARY GEAR, 3" PIN	6900 XD	WESTERN STAR 6900XD	P2PM224
-	4142	TOTE ROAD ORE HAUL TRUCK - TRACTOR ,	МО	MOBILE EQUIPMENT	PRELIMINARY	NEW	H: 3900 L: 10080 W: 3060	INTERMITTENT	600 HP, 150T (2 75T)	6 WHEEL DRIVE, PLANETARY GEAR, 3" PIN	6900 XD	WESTERN STAR 6900XD	P2PM224
-	4143	FLAT DECK TRUCK,	МО	MOBILE EQUIPMENT	PRELIMINARY	NEW	H: 3900 L: 7264 W: 2418	INTERMITTENT			F550	FORD F550	P2PM212B
-	4143	FLAT DECK TRUCK,	МО	MOBILE EQUIPMENT	PRELIMINARY	NEW	H: 2022 L: 7264 W: 2418	INTERMITTENT			F550	FORD F550	P2PM212B
-	4143	LARGE MOBILE LIGHT PLANT,	MO	MOBILE EQUIPMENT	PRELIMINARY	NEW	H: 2022 L: 4623 W: 2007	INTERMITTENT		BIG LIGHT PLANT?	-	TEREX	P2PM211
-	4143	LARGE MOBILE LIGHT PLANT,	МО	MOBILE EQUIPMENT	PRELIMINARY	NEW	H: 9000 L: 4623 W: 2007	INTERMITTENT		BIG LIGHT PLANT?	-	TEREX	P2PM211
-	4143	LARGE MOBILE LIGHT PLANT,	MO	MOBILE EQUIPMENT	PRELIMINARY	NEW	H: 9000 L: 4623 W: 2007	INTERMITTENT		BIG LIGHT PLANT?	-	TEREX	P2PM211
_	4143	LARGE MOBILE LIGHT PLANT,	MO	MOBILE EQUIPMENT	PRELIMINARY	NEW	H: 9000 L: 4623 W: 2007	INTERMITTENT		BIG LIGHT PLANT?	-	TEREX	P2PM211
			<u> </u>	l	I	<u> </u>	H: 9000	I	I	<u> </u>	<u> </u>		<u> </u>

inland Iron Mines: Mary River Project 9001

Master Building Matrix Document: H349001-1000-00-144-0001, Rev. 4

		Building Location, Number and Name					Procure	ment			Building Si	te & Footprint A	rea		Building Str	ucture	Contained Fac	ilities				Bui	ilding Services			
																	g l	- Q								e e
Location	Area	Facility	ence Number	Ing/Equipment Number	Building Name	Comments	ing Supply Package	ing Installation Contract	f Storeys	pancy (//)	o Out of Cladding th (ft)	Ht. (it) s to Ridge ing Footprint (it²)	Area (P²) toreys)	pancy Classification	ng lype Legend) dation Type Legend)	Finish Legend)	ss & Similar Facilities (Furnish room(s) g / Lunchrooms / Kitchen ished)	Itory Rooms (Furnished) ial Rooms / Functions (Furnishe erature	ng ctric, D:Diesel, M:Mobile heaters	anical Ventilation onditioning	Water ik or P.Piped supply le Water life or P.Piped Supply	ary Sewage al tank or P:Pumped and piped Vater Sprinkler System	al system or P:Piped service Fire Supression CO2 etc.) sssable Fire Detection & Alarm	oe Alarm (no signal sent) rical Service	Service/External Distribution To Optic C.Ethernet Cable M: wave X: Coexial Cable	nnectivity for constructure
283			nbes	Buildi			Buildi	Buildi	Š.	Occul	Lengt	Bldg. Grade	Floor (All St	Inoocal	See 1	Floor (See !	Wash Dining (Fumi	Speci Temp	Heatir E:Elec	Mechi Air Co	Raw V T: Tan Potab B:Bott	Sanita 7:Loci	Other (HP-C	Smok Electr D:Dist	Data (F.Fibr micro	Optic Mill of
2750 Milne Port	Site Utilities	Power Distribution	008	2750-BLD-008	Accommodation Area E-House #3		P2PE202	P2TX202	1	- 1	6.0 25.0	11.0 4	00 400	-	SM GB	RA		22	E	• -		-		- D	F	
2750 Milne Port	Site Utilities	Power Distribution	009	2750-BLD-009	Services Area E-House #3		P2PE202	P2TX202	1	- 1	6.0 25.0	11.0 4	00 400	-	SM GB	RA		22	Е	• -				- D	F	
4530 Mine Site	Non Process Facilities	Power Generation	022	4530-BLD-022	Power Generation Module ≢7		P2PE201	P2TX202	1	- 1	3.0 43.0	14.0 5	59 559	-	SM GB	RA		22	Е	• -		-		- D	С	
4530 Mine Site	Non Process Facilities	Power Generation	023	4530-BLD-023	Power Generation Module #8		P2PE201	P2TX202	1	- 1	3.0 43.0	14.0 5	59 559	-	SM GB	RA		22	Е	• .		-		- D	С	
4530 Mine Site	Non Process Facilities	Power Generation	026	4530-BLD-026	Power Generation Module #9		P2PE201	P2TX202	1	- 1	3.0 43.0	14.0 5	59 559	-	SM GB	RA		22	Е	• .		-		- D	С	
4530 Mine Site	Non Process Facilities	Power Generation	027	4530-BLD-027	Power Generation Module #10		P2PE201	P2TX202	1	- 1	3.0 43.0	14.0 5	59 559	-	SM GB	RA		22	Е	• .		-		- D	С	
4530 Mine Site	Non Process Facilities	Power Generation	029	4530-BLD-029	Power Generation E-House #3		P2PE201	P2TX202	1	- 1	8.0 45.0	12.0 8	10 810	-	SM GB	RA		22	Е	• -		-		- D	F/C	
4530 Mine Site	Non Process Facilities	Power Generation	030	4530-BLD-030	Power Generation E-House #4		P2PE201	P2TX202	1	- 1	8.0 45.0	12.0 8	10 810	-	SM GB	RA		22	Е	• -		-		- D	F/C	
4530 Mine Site	Non Process Facilities	Power Generation	031	4530-BLD-031	Power Generation Stores #2		P2PE201	P2TX202	1	-	8.0 40.0	10.0 3	20 320	-	SC GB	RA		22	Е	-		-		- D	-	
4750 Mine Site	Site Utilities	Power Distribution	008	4750-BLD-008	Accommodation Area E-House #3		P2PE202	P2TX202	1	- 1	6.0 25.0	11.0 4	00 400	-	SM GB	RA		22	Е	• .		-		- D	F	
4750 Mine Site	Site Utilities	Power Distribution	010	4750-BLD-010	Crushing and Screening E-House #1	Formerly 4750-BLD-008	PE00302	CC005	1	- 1	6.0 40.0	11.0 6	40 640	-	SM GB	RA		22	Е	• .		-		- D	F	
4750 Mine Site	Site Utilities	Power Distribution	011	4750-BLD-011	Crushing and Screening E-House #2		P2PE202	P2TX202	1	- 1	6.0 40.0	11.0 6	40 640	-	SM GB	RA		22	Е	• .		-		- D	F	
4750 Mine Site	Site Utilities	Power Distribution	012	4750-BLD-012	Services Area E-House #3		P2PE202	P2TX202	1	- 1	6.0 25.0	11.0 4	00 400	-	SM GB	RA		22	Е	• -		-		- D	F	
2512 Milne Port	Non Process Facilities	Accommodations Area	005	2512-BLD-005	Accommodation Wing BE		P2TX201	P2TX201	1	30 2	9.0 227.0	13.0 6,5	83		SM GB	RA		• • 22	E/D	• -	- P	Р		- D	С	С •
2512 Milne Port	Non Process Facilities	Accommodations Area	006	2512-BLD-006	Accommodation Wing BF		P2TX201	P2TX201	1	30 2	9.0 227.0	13.0 6,5	83		SM GB	RA		• • 22	E/D	• -	- Р	Р		- D	С	С •
2512 Milne Port	Non Process Facilities	Accommodations Area	007	2512-BLD-007	Accommodation Wing BG		P2TX201	P2TX201	1	30 2	9.0 227.0	13.0 6,5	83		SM GB	RA		• • 22	E/D	• .	- P	Р		- D	С	С •
2512 Milne Port	Non Process Facilities	Accommodations Area	008	2512-BLD-008	Accommodation Wing BH		P2TX201	P2TX201	1	30 2	9.0 227.0	13.0 6,5	83		SM GB	RA		• • 22	E/D	• -	- P	Р		- D	С	С •
2511 Milne Port	Non Process Facilities	Accommodations Area	001	2511-BLD-001	Accommodation Service Core Extension	Dining Facility Extension ~ 200m2	P2TX201	P2TX201	1	- 4	0.0 52.0	13.0 2,0	80		SM GB	RA		• - 22	D	• -	- Р	P	Р - •	- D	С	С -
2511 Milne Port	Non Process Facilities	Accommodations Area	004	2511-BLD-004	Accommodation Change Rooms		P2TX201	P2TX201	1	- 2	4.0 120.0	13.0 2,8	80		SM GB	RA		- • 22	D	• -	- Р	P	Р - •	- D	С	С -
2511 Milne Port	Non Process Facilities	Accommodations Area	005	2511-BLD-005	Accommodation Exercise Facility		P2TX201	P2TX201	1	5 3	6.0 60.0	13.0 2,1	60		SM GB	RA		- • 22	D	• -		-		- D	С	С •
2511 Milne Port	Non Process Facilities	Accommodations Area	006	2511-BLD-006	Accommodation Arctic Corridor	Artic Corridor Extension – 210 m2	P2TX201	P2TX201	1	- 1	0.0 230.0	13.0 2,3	00		SM GB	RA		- • 22	D	• -		-		- D	С	с -
4512 Mine Site	Non Process Facilities	Accommodations Area	008	4512-BLD-008	Accommodation Wing AH		P2TX201	P2TX201	1	30 2	9.0 227.0	13.0 6,5	83		SM GB	RA		• • 22	E/D	• -	- P	P I	P - •	- D	С	С •
4512 Mine Site	Non Process Facilities	Accommodations Area	009	4512-BLD-009	Accommodation Wing Al		P2TX201	P2TX201	1	30 2	9.0 227.0	13.0 6,5	83		SM GB	RA		• • 22	E/D	• -	- P	P I	P - •	- D	С	С •
4512 Mine Site	Non Process Facilities	Accommodations Area	010	4512-BLD-010	Accommodation Wing AJ		P2TX201	P2TX201	1	30 2	9.0 227.0	13.0 6,5	83		SM GB	RA		• • 22	E/D	• -	- P	P I	P - •	- D	С	с •
4512 Mine Site	Non Process Facilities	Accommodations Area	011	4512-BLD-011	Accommodation Wing AK		P2TX201	P2TX201	1	22 2	9.0 170.0	13.0 4,9	30		SM GB	RA		• • 22	E/D	• -	- P	P I	P - •	- D	С	С •
4512 Mine Site	Non Process Facilities	Accommodations Area	012	4512-BLD-012	Accommodation Wing AL		P2TX201	P2TX201	1	30 2	9.0 227.0	13.0 6,5	83		SM GB	RA		• 22	E/D	• -	- P	P	P - •	- D	С	С •
4512 Mine Site	Non Process Facilities	Accommodations Area	013	4512-BLD-013	Accommodation Wing AM		P2TX201	P2TX201	1	30 2	9.0 227.0	13.0 6,5	83		SM GB	RA		• 22	E/D	• -	- P	P	P - •	- D	С	С •
4511 Mine Site	Non Process Facilities	Accommodations Area	001	4511-BLD-001	Accommodation Service Core Extension	Change Room Extension – 220m2	P2TX201	P2TX201	1	- 2	4.0 100.0	13.0 2,4	00		SM GB	RA		- • 22	D	• -	- P	P	P - •	- D	С	С -
4511 Mine Site	Non Process Facilities	Accommodations Area	005	4511-BLD-005	Accommodation Exercise Facility		P2TX201	P2TX201	1	5 3	6.0 60.0	13.0 2,1	60		SM GB	RA	- - -	- • 22	D	• -		-		- D	С	С •
4511 Mine Site	Non Process Facilities	Accommodations Area	006	4511-BLD-006	Accommodation Arctic Corridor	Artic Corridor Extension - 60 m2	P2TX201	P2TX201	1	- 1	0.0 60.0	13.0 6	00		SM GB	RA		- • 22	D	• -		-	•	- D	С	С -
2521 Milne Port	Non Process Facilities	Services Area	005	2521-BLD-005	Maintenance Building #2		TX202	TX202	1	10 6	0.0 100.0	25.0 6,0	00 6,000	F-2	FO TBD	SOGD		22	D	• -	т -	-	•	- D	F	
2521 Milne Port	Non Process Facilities	Services Area	006	2521-BLD-006	Welding Shop Building #2		TX202	TX202	1	5 4	0.0 40.0	25.0 1,6	00 1,600	F-2	FO TBD	SOG		22	D	• -		-		- D	F	
2523 Milne Port	Non Process Facilities	Services Area	001	2523-BLD-001	Truck Wash (Repurposed Warehouse)		TX202	TX202	1				00 4,000		FO PF	G		22	D	• -	т -	-	•	• D	-	М -
7235 Construction	Milne Port	Buildings, Shops & Warehouses	004	7235-BLD-004	Site Services Unheated Warehouse		TX202	TX202	1	2 4	0.0 100.0	25.0 4,0	00 4,000	F-3	FO TBD	G		22	М			-		• D	-	М -
4281 Mine Site	Mine	Mine Support Facilities	002	4281-BLD-002	Pit Office Lunchroom Building		TX202	TX202	1								• - •	- • 22	E		- В	-		- D	F	М -
4521 Mine Site	Non Process Facilities	Services Area	006	4521-BLD-006	Ore Haul Maintenance Building		TX202		_			35.0 26,0	_	-			-		D	• -	т -	-		- D	F	М -
4521 Mine Site	Non Process Facilities	Services Area	007	4521-BLD-007	Welding Shop Building #2		TX202	TX202		5 6		25.0 3,6	00 3,600	F-2	FO TBD	SOGD		22	D	• -		-		- D	F	
	Non Process Facilities	Services Area	008	4521-BLD-008	Ore Haul Truck Workshop Office Building		TX202	TX202				8.0 2,8	80 2,880	D	тм СВ	RA		- • 22	E		- В	-		- D	F	М -
4521 Mine Site	Non Process Facilities	Services Area	009	4521-BLD-009	Workshop Office Washcar		TX202	TX202	1	9 1	2.0 32.0	8.0 3	84 384	F-3	TS CB	RA		22	Е	• -	т -	Т		• D	-	
4523 Mine Site	Non Process Facilities	Services Area	002	4523-BLD-002	Ore Haul Truck Wash Building		TX202	TX202	1	2 4	0.0 130.0	25.0 5,2	00 5,200	F-3	FO TBD	G	- - -	22	D	• .	т -	-	•	- D	F	
					1										_										OOD FINISH	

11/13/2014	0	Preliminary	K. Imai			
Date	Rev	Status	Prepared By	Checked By	Approved By	Approved By

	Occupancy for washcars is number of male water closets/urinals. Ratio of male to nale water closets is 5:1.
2.	Building supply package "TMNT" is Toromont CAT supply arranged by Baffinland.

	BUILDING TYPE
FO	Fold-away Building (Steel)
FA	Fabric w/ Sea Can Walls
SC	ISO Shipping Contianer
TS	Trailer - Single
TM	Trailer - Modular (2 or more module
PE	Pre-Engineered

FOUNDATION TYPE					
GB	Gravel Base - Skidded Building				
PP	Precast Piers				
PF	Precast Footing (Perimeter Beam)				
СВ	Timber Cribbing to Elevate Building				

	_		
DATION TYPE			FLOOR FINISH
Base - Skidded Building		SOG	Slab on grade
Precast Piers		SOGD	Slab on grade C/W Drainage
Footing (Perimeter Beam)		O	Gravel
ribbing to Elevate Building		RA	Raised Steel or Wooden Floor
		-	Not Applicable

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