



NOTES:

- 1) The system will have a different raw water source for winter from summer. As such the flows for these two streams are indicative of the summer or winter period only.
- 2) The flows for these streams will occur in the summer time only.
- 3) The flow values on this water balance have been derived from previous consultants documentation produced during the earlier phase of the project. Where values were missing Hatch estimations are used.
- 4) The peak flows for the accommodation facilities were determined using a peaking factor.
- 5) The division of trucked and piped facilities is based upon the proximity of the various facilities as indicated on layouts prepared by Hatch.
- 6) Potable water will be supplied from the accommodation complex to the STP, Incineration Plant, Power Plant and PWTP using bottles.

LEGEND:

———— CONTINUOUS FLOW.

----- INTERMITTENT FLOW.

Stream No.	1	2	3	4	5	6	7
Stream Description	WINTER RAW WATER SUPPLY	SUMMER RAW WATER SUPPLY	FIREWATER	FEED TO POTABLE TREATMENT SYSTEM	PIPED FRESH WATER	TRUCKED FRESH WATER	POTABLE SYSTEM PRODUCT FLOW
Construction Phase - Design (m ³ /h)	42.9	42.9	300.0	2.8	10.2	42.9	2.8
Construction Phase - Nominal (m ³ /h)	3.3	3.3	-	2.8	0.4	0.1	2.8
Operation Phase - Design (m ³ /h)	-	-	-	-	-	-	-
Operation Phase - Nominal (m ³ /h)	-	-	-	-	-	-	-
Stream No.	8	9	10	11	12	13	14
Stream Description	POTABLE SYSTEM WASTE FLOW	WASH WATER TO INCIN. PLANT	WASH WATER TO POWER PLANT	WASH WATER TO PWTP	ROAD DUST SUPPRESS	FIRETRUCK WATER	POTABLE WATER TO ACC. COMPLEX
Construction Phase - Design (m ³ /h)	0.002	3.4	3.4	3.4	42.9	42.9	21.3
Construction Phase - Nominal (m ³ /h)	0.001	0.1	0.1	0.1	0.1	-	2.8
Operation Phase - Design (m ³ /h)	-	-	-	-	-	-	-
Operation Phase - Nominal (m ³ /h)	-	-	-	-	-	-	-



HATCH		Baffinland	
DESIGNED BY R. KAPADIA Date: 8/22/2011	DRAWN BY R. KAPADIA Date: 8/22/2011	MID-RAIL CAMP - MARY RIVER PROJECT BLOCK FLOW DIAGRAM WATER SUPPLY BALANCE	
CHECKED BY A. ZLATIC Date: 8/22/2011 PROJ. DES. COORD.	DISC. ENGR. A. ZLATIC Date: 8/22/2011 PROJ. ENGR. J. CASSON Date: 8/22/2011		
PROJECT MANAGER H. CHARALAMBU Date: 8/22/2011			
Drawing No. H337697-7000-10-002-0004 SHEET 1 OF 2		Rev. E	

