

Appendix A

Monitoring Program Station No. ALT-1

Year: 2011

Name: Water Supply at Raw Water Intake

Licence Daily Water Use (to not exceed) Limit: 185 cubic metres [m3].

Results for: All Purpose Water Monitoring

Daily Water Usage Quantity: 155 cubic metres [m3].

Annual Water Usage Quantity: 56,486 cubic metres [m3].

Please note: Water Usage Data is monitored and collected daily.

Average Daily Water Usage at CFS Alert - 3BC-ALT1015					
Year [yr]	Month [mo]	Days [dd]	Average Daily Utilized [m3/day]	Metered [Y/N]	Quantity Utilized [m3]
2011	JAN	31	180	N	5,580
2011	FEB	28	180	N	5,040
2011	MAR	31	180	N	5,580
2011	APR	30	180	N	5,400
2011	MAY	31	180	N	5,580
2011	JUN	30	180	N	5,400
2011	JUL	31	180	N	5,580
2011	AUG	31	180	N	5,580
2011	SEP	30	111	Y	3,330
2011	OCT	31	105	Y	3,255
2011	NOV	30	101	Y	3,030
2011	DEC	31	101	Y	3,131
		Annual Average [m3/day]:	155	Total Annual [m3]:	56,486

As per Appendix A of the 2010 Annual Report, Department of National Defence (DND) notified the Nunavut Water Board of the installation of new magnetic flow meters to replace the faulty meters and an intake pump flow regulation system during the construction season of summer 2011. The flow meters were operational beginning in September 2011; direct meter readings are now being reported.

All previous measurements (January – August 2011) were based on prior set valve and pump settings with calculated volumes (Usage = Intake – Return) as followed:

Daily Water Intake from Source: 278 cubic metres [m3].

Daily Water Return to Source: 98 cubic metres [m3].