

Appendix A

Monitoring Program Station No. ALT-1

Year: 2015

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: 408 cubic metres [m³].

Annual Water Usage Quantity: 149,324* cubic metres [m³].

Note 1: *Water Usage Data is monitored and collected daily; however, as of October 22nd, 2014, the water intake flow meter was out of service until March 3rd, 2015.

Average Daily Water Usage at CFS Alert - 8AC-ALT---- (formerly 3BC-ALT1015)										
Year [yr]	Month [mo]	Days [day]	Average Daily Intake (Usage) [m3/day]	Maximum Daily Intake [m3/day]	Average Daily Returned [m3/day]	Maximum Daily Return [m3/day]	Average Daily Utilized (Consumed) [m3/day]	Maximum Daily Utilized (Consumed) [m3/day]	Metered [Y/N]	Quantity Utilized [m3]
2015	JAN	31	264	524	145	283	119	241	Y*	8,173
2015	FEB	28	266	304	143	174	123	153	Y*	7,452
2015	MAR	31	535	701	454	568	81	269	Y*	16,572
2015	APR	30	434	543	336	405	98	138	Y	13,028
2015	MAY	31	427	532	320	396	107	136	Y	13,244
2015	JUN	30	402	472	326	408	76	118	Y	12,071
2015	JUL	31	404	472	335	397	69	117	Y	12,530
2015	AUG	31	440	545	380	450	61	117	Y	13,654
2015	SEP	30	406	500	333	396	73	119	Y	12,190
2015	OCT	31	451	558	360	447	91	120	Y	13,980
2015	NOV	30	437	502	344	623	93	117	Y	13,103
2015	DEC	31	430	584	361	495	68	119	Y	13,327
Annual Average [m3/day]:			408	520	320	420	88	147	Total Annual [m3]:	149,324
Observed Minimum [m3/day]:			264	304	143	174	61	117		
Observed Maximum [m3/day]:			535	701	454	623	123	269		

***Note#1: A)** Reference to the 2014 Annual Report, the Intake flow meter was not in service in the water treatment plant as of 06 October 2014 due to corrosion. **B)** Intake and return flow meter values from the lower water pump house were used from 06 October 2014 to 03 March 2015. **C)** Values are rounded to nearest whole digit.

Average Daily Water Intake (Usage) from Source: 408 cubic metres [m³].
Average Daily Water Return to Source: 320 cubic metres [m³].
Average Daily Water Utilized (Consumed): 88 cubic metres [m³].

The usage for 2015 exceed the Licence Daily Water Use Limit. The 3BC-ALT1015 water licence expired on 31 July 2015; this annual report is submitted in compliance with the obligations to the conditions of 3BC-ALT1015. DND is in the amendment and renewal process for a Type A water licence under 8AC-ALT----. The renewal and amendment application contains an increase in the usage quantity limits at CFS Alert for the next water licence based on the observed maximum daily intake value.