



2007 CAPITAL WORKS PLAN UPDATE



BLACK MOUNTAIN IRRIGATION DISTRICT

November, 2007

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ABBREVIATIONS

AC	Asbestos Concrete (pipe)	MF	multi-family
ADD	Average Daily Demand	ML	megalitre (one million litres = 1,000 m ³)
AES	Atmospheric Environment Service	ML / day	Megalitres per day
ALR	Agricultural Land Commission	MDD	Maximum daily demand
AO	Aesthetic Objective	Mlgpd	Million Imperial gallons per day
ARDA	Agriculture Rehabilitation and Development Act	MOE	Ministry of Environment
AWWA	American Waterworks Association	NTU	Nephelometric Turbidity Unit
BMID	Black Mountain Irrigation District	OBWB	Okanagan Basin Water Board
CCI	Construction Cost Indices	OWSC	Okanagan Water Stewardship Council
CFU	Coliform Unit	OCP	Official Community Plan
Cl ₂	Chlorine or sodium hypochlorite	O & M	Operations and Maintenance
CPI	Consumer Price Index	PET	Potential Evapotranspiration
CT	Concentration x time of contact (for disinfectant)	PHD	Peak hour demand
DAF	Dissolved Air Flotation	PRV	Pressure reducing valve
DBP	Disinfection byproduct	PS	Pump Station
DI	Ductile Iron (pipe)	psi	pounds per square inch (pressure)
DSM	Demand Side Management	PLC	Programmable Logic Controller
DWPA	Drinking Water Protection Act	PST	Provincial Sales Tax
DWPR	Drinking Water Protection Regulation	PZ	Pressure Zone (normal HGL in metres)
FF	Fire flow	RDCO	Regional District of Central Okanagan
FUS	Fire Underwriters Survey	RO	Reverse Osmosis
GCDWQ	Guideline for Canadian Drinking Water Quality	RPBA	Reduced Pressure Backflow Assembly
GEID	Glenmore-Ellison Improvement District	RWD	Rultand Waterworks District
GWPP	Groundwater Protection Plan	SCADA	Supervisory Control and Data Acquisition
HAAs	Haleoacetic Acids (Disinfection Byproduct)	SFE	Single Family Equivlanet (equivalent to SF lot)
HDPE	High Density Polyethylene (pipe)	SDWR	Safe Drinking Water Regulation
HGL	Hydraulic Grade Line (slope of water in m/m)	SWTR	Surface Water Treatment Rule
ICI	Industrial Commercial Institutional	TCU	True Color Units
Igpm	Imperial Gallons per minute	TDH	Total Dynamic Head
ILMB	Integrated Land Management Bureau	THM	Trihalomethane (disinfection byproduct)
IHA	Interior Health Authority	TOC	Total Organic Carbon
Km ²	square kilometre (1000m x 1000m)	TWL	Top Water Level (metres)
kPa	kilopascals (pressure)	UFW	Unaccounted For Water
L	litre	µg/L	micrograms / litre (parts per billion)
L/ca/d	Litres per capita per day (usage rate)	uS /cm	microsiemens
L/s	litres per second (flow rate)	USgpm	US gallons (flow rate)
m ³ /s	cubic metre per second, (flow rate)	UV	Ultraviolet
mg/L	milligrams/litre (parts per million)	VFD	Variable Frequency Drive (motor speed contro)
MAC	Maximum Acceptable Concentration	WFN	Westbank First Nations
MCC	Motor Control Centre	WSC	Water Survey of Canada
MCS	Ministry of Community Services	WTP	Water Treatment Plant
		WWLA	Waterworks Local Authority