FORM 13-502F1 CLASS 1 AND CLASS 3B REPORTING ISSUERS – PARTICIPATION FEE

MANA	GEMENT CERTIFICA	TION
I,, an officer 13-502F1 (the Form) being submitted he my knowledge, having exercised reasonal and accurate. (s)	reunder to the Ontario Sec	curities Commission and certify that to
Reporting Issuer Name:		
Type of Reporting Issuer:	Class 1 reporting issue	er 🛛 Class 3B reporting issuer
Highest Trading Marketplace: (refer to the definition of "highest trading marketp Market value of listed or quoted equity (in Canadian Dollars - refer to section 7.1 of OSC Equity Symbol	securities:	Fees)
1st Specified Trading Period (dd/mm/yy (refer to the definition of "specified trading period Rule 13-502 <i>Fees</i>)		to
Closing price of the security in the class on the last trading day of the specific period in which such security was listed on the highest trading marketplace Number of securities in the class or series	ed trading or quoted	\$(i)
security outstanding at the end of the last day of the specified trading period		(ii)
Market value of class or series	(i) x (ii)	\$(A)
2 nd Specified Trading Period (dd/mm/y) (refer to the definition of "specified trading period Rule 13-502 <i>Fees</i>)		to

Closing price of the security in the class or series on the last trading day of the specified trading period in which such security was listed or quoted on the highest trading marketplace

Number of securities in the class or series of such security outstanding at the end of the last trading day of the specified trading period

Market value of class or series

3rd Specified Trading Period (dd/mm/yy) (refer to the definition of "specified trading period" under OSC Rule 13-502 *Fees*)

Closing price of the security in the class or series on the last trading day of the specified trading period in which such security was listed or quoted on the highest trading marketplace

Number of securities in the class or series of such security outstanding at the end of the last trading day of the specified trading period

Market value of class or series

4th Specified Trading Period (dd/mm/yy) (refer to the definition of "specified trading period" under OSC

Rule 13-502 Fees)

Closing price of the security in the class or series on the last trading day of the specified trading period in which such security was listed or quoted on the highest trading marketplace

Number of securities in the class or series of such security outstanding at the end of the last trading day of the specified trading period

Market value of class or series

5th Specified Trading Period (dd/mm/yy) (if applicable - refer to the definition of "specified trading period" under OSC Rule 13-502 *Fees*)

Closing price of the security in the class or series on the last trading day of the specified trading period in which such security was listed or quoted on the highest trading marketplace

Number of securities in the class or series of such

	\$ 	(iii)
- (iii) x (iv) \$		
	 to	
	\$ 	(v)
	 	(vi)
(v) x (vi)	\$ 	(C)
	 to	
	 	(vii)
		(viii)
(vii) x (viii) \$	\$ 	(D)
	 to	
	\$ 	(ix)
		(x)

security outstanding at the end of the last trading day of the specified trading period			
Market value of class or series	(ix) x (x)	\$0	(E)
Average Market Value of Class or Series (Calculate the simple average of the market value of the class or series of security for each applicable specified trading period (i.e. A through E above))			
		\$	(1)
(Repeat the above calculation for each other class or se subsidiary pursuant to paragraph $2.8(1)(c)$ of OSC Rul marketplace at the end of the previous financial year)			
Fair value of outstanding debt securities: (See paragraph 2.8(1)(b), and if applicable, paragraph 2.8(1)(c) of OSC Rule 13-502 <i>Fees</i>)		\$. (2)
(Provide details of how value was determined)			
Capitalization for the previous financial year	(1) + (2)	\$	
Participation Fee (For Class 1 reporting issuers, from Appendix A of OSC Rule 13-502 <i>Fees</i> , select the participation fee)		\$6,390	
(For Class 3B reporting issuers, from Appendix A.1 of OSC Rule 13-502 <i>Fees</i> , select the participation fee)			
Late Fee, if applicable (As determined under section 2.7 of OSC Rule 13- 502 <i>Fees</i>)		\$	
Total Fee Payable (Participation Fee plus Late Fee)		\$\$6,390	