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

MANA	GEMENT CERTIFICA	ATION			
I,, an office 13-502F1 (the Form) being submitted he my knowledge, having exercised reasona and accurate.	ereunder to the Ontario So	ecurities	Commission and	certify that to	
(s)	Date:				
Reporting Issuer Name:					
End date of previous financial year:					
Type of Reporting Issuer:	☐ Class 1 reporting issu	uer [☐ Class 3B reporting issuer		
Highest Trading Marketplace: (refer to the definition of "highest trading marketplace trading marketplace of listed or quoted equite (in Canadian Dollars - refer to section 7.1 of OSC	y securities:	Fees)			
Equity Symbol					
1 st 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 on the last trading day of the specific period in which such security was listed on the highest trading marketplace	ied trading	\$		(i)	
Number of securities in the class or serie 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)	
2nd 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		\$	(iii)
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			(iv)
Market value of class or series	(iii) x (iv)	\$ 	(B)
3rd Specified Trading Period (dd/mm/yy) (refer to the definition of "specified trading period" under OSC 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		\$	(v)
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		 	(vi)
Market value of class or series	(v) x (vi)	\$ 	(C)
4 th Specified Trading Period (dd/mm/yy) (refer to the definition of "specified trading period" under OSC 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			(vii)
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			(viii)
Market value of class or series	(vii) x (viii)	\$ 	(D)
5 th Specified Trading Period (dd/mm/yy) (if applicable - refer to the definition of "specified trading period" under OSC 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		\$	(ix)
Number of securities in the class or series of such			(x)

day of the specified trading period		
Market value of class or series	(ix) x (x)	\$ (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 subsidiary pursuant to paragraph 2.8(1)(c) of OSC Rumarketplace 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)		\$
(For Class 3B reporting issuers, from Appendix A.1 of OSC Rule 13-502 Fees, 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)		\$

security outstanding at the end of the last trading