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

MANAGEMENT CERTIFICATION

I,, an office 13-502F1 (the Form) being submitted h my knowledge, having exercised reason and accurate.	ereunder to the Ontario S	Securitie	es Commission and certify that to	
(s) Name: Logan B. Anderson Title: CFO	Date:			
Reporting Issuer Name:			_	
End date of previous financial year:			_	
Type of Reporting Issuer:	□ Class 1 reporting issuer		□ Class 3B reporting issuer	
Highest Trading Marketplace: (refer to the definition of "highest trading market	place" under OSC Rule 13-502	2 Fees)	_	
Market value of listed or quoted equit (in Canadian Dollars - refer to section 7.1 of OS	t <mark>y securities</mark> : C Rule 13-502 <i>Fees</i>)			
Equity Symbol				
1st Specified Trading Period (dd/mm/y (refer to the definition of "specified trading perio Rule 13-502 <i>Fees</i>)			to	
Closing price of the security in the cla on the last trading day of the specifi period in which such security was liste on the highest trading marketplace	fied trading	\$	(i)	
Number of securities in the class or series security outstanding at the end of the lass 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 perior Rule 13-502 <i>Fees</i>)	yy) d" under OSC		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) \$_____

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))

(Repeat the above calculation for each other class or series of equity securities of the reporting issuer (and a subsidiary pursuant to paragraph 2.8(1)(c) of OSC Rule 13-502 *Fees*, if applicable) that was listed or quoted on a marketplace at the end of the previous financial year)

\$

_____(E)

_(1)

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>)		\$
(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 <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)		\$