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

MANAGEMENT CERTIFICATION						
I,, an officer 13-502F1 (the <b>Form</b> ) being submitted her my knowledge, having exercised reasonab and accurate.	eunder to the Ontario Seco	urities Commission and certify that to				
(s)						
Name: Logan B. Anderson Title: Chief Financial Officer	Date:	_				
Reporting Issuer Name:						
End date of previous financial year:						
Type of Reporting Issuer:	Class 1 reporting issue	r □ Class 3B reporting issuer				
Highest Trading Marketplace: (refer to the definition of "highest trading marketpla	ace" under OSC Rule 13-502 $F\epsilon$	ees)				
Market value of listed or quoted equity (in Canadian Dollars - refer to section 7.1 of OSC 1	securities: Rule 13-502 <i>Fees</i> )					
<b>Equity Symbol</b>						
1 <sup>st</sup> 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 specifie period in which such security was listed on the highest trading marketplace	d trading	\$(i)				
Number of securities in the class or series security outstanding at the end of the last t day of the specified trading period		(ii)				
Market value of class or series	(i) x (ii)	\$(A)				
2 <sup>nd</sup> 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 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)
<b>3<sup>rd</sup> Specified Trading Period</b> (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)
<b>4<sup>th</sup> Specified Trading Period</b> (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)
<b>5<sup>th</sup> Specified Trading Period</b> (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 s subsidiary pursuant to paragraph 2.8(1)(c) of OSC Ru marketplace at the end of the previous financial year)		
<b>Fair value of outstanding debt securities:</b> (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 <i>Fees</i> , select the participation fee)		
<b>Late Fee</b> , if applicable (As determined under section 2.7 of OSC Rule 13-502 <i>Fees</i> )		\$
<b>Total Fee Payable</b> (Participation Fee plus Late Fee)		\$ 

security outstanding at the end of the last trading