## FORM 54-101F10 UNDERTAKING

Note: Terms used in this Form have the meaning given to them in National Instrument 54-101.

The use of this F	orm is referenced in section 6.2 of National Instrument 54-101.
I,	
(Full Residence A (If this undertaki set out the full le	Address)
SOLEMNLY DE	ECLARE AND UNDERTAKE THAT:
<i>of the</i> the in	vish to send materials to beneficial owners of securities of [ <i>insert name reporting issuer</i> ] on whose behalf intermediaries hold securities, using direct sending procedures provided in National Instrument 54-101 (the 4-101 Procedures").
	ndertake that I am using the NI 54-101 Procedures to send materials to icial owners only for the purpose of one or both of the following:
(a)	an effort to influence the voting of securityholders of the reporting issuer;
(b)	an offer to acquire securities of the reporting issuer.
NI 54	m aware that it is a contravention of the law to send materials using the -101 Procedures for purposes other than in connection with one or both following:
(a)	an effort to influence the voting of securityholders of the reporting issuer;
(b)	an offer to acquire securities of the reporting issuer.
	SignatureName of person signingDate