

**FORM 55-102F6
INSIDER REPORT**

(See instructions on the back of this report)

Notice – Collection and Use of Personal Information: The personal information required under this form is collected on behalf of and used by the securities regulatory authorities set out below for purposes of the administration and enforcement of certain provisions of the securities legislation in British Columbia, Alberta, Saskatchewan, Manitoba, Ontario, Quebec, Nova Scotia and Newfoundland. Some of the required information will be made public pursuant to the securities legislation in each of the jurisdictions indicated above. Other required information will remain confidential and will not be disclosed to any person or company except to any of the securities regulatory authorities or their authorized representatives. If you have any questions about the collection and use of this information, you may contact the securities regulatory authority in any jurisdiction(s) in which the required information is filed, at the address(es) or telephone number(s) set out on the back of this report.

NOTE: July 3/03–Consolidated version of form, as recently amended–For your convenience–Effective in Alta., B.C., Man., Newf./Lab., Ont., and Que. and in other juris., at a later date.

BOX 1. NAME OF THE REPORTING ISSUER (BLOCK LETTERS)

BOX 3. NAME, ADDRESS AND TELEPHONE NUMBER OF THE INSIDER (BLOCK LETTERS)

FAMILY NAME OR CORPORATE NAME	
GIVEN NAMES	
NO.	STREET APT
CITY	
PROV	POSTAL CODE
BUSINESS TELEPHONE NUMBER	
- -	EXT
BUSINESS FAX NUMBER	
- -	CHANGE IN NAME, ADDRESS OR TELEPHONE NUMBER FROM LAST REPORT <input type="checkbox"/> YES <input type="checkbox"/> NO

BOX 4. JURISDICTION(S) WHERE THE ISSUER IS A REPORTING ISSUER OR THE EQUIVALENT

<input type="checkbox"/> ALBERTA	<input type="checkbox"/> ONTARIO
<input type="checkbox"/> BRITISH COLUMBIA	<input type="checkbox"/> QUÉBEC
<input type="checkbox"/> MANITOBA	<input type="checkbox"/> SASKATCHEWAN
<input type="checkbox"/> NEWFOUNDLAND	
<input type="checkbox"/> NOVA SCOTIA	

BOX 2. INSIDER DATA

RELATIONSHIP(S) TO REPORTING ISSUER					DATE OF LAST REPORT FILED	DD	MM	YY
CHANGE IN RELATIONSHIP FROM LAST REPORT	<input type="checkbox"/> YES	<input type="checkbox"/> NO	OR	IF INITIAL REPORT, DATE ON WHICH YOU BECAME AN INSIDER	DD	MM	YY	

BOX 5. INSIDER HOLDINGS AND CHANGES (IF INITIAL REPORT, COMPLETE SECTIONS A D E AND F ONLY. SEE ALSO INSTRUCTIONS TO BOX 5)

A	B	C TRANSACTIONS						D	E	F
DESIGNATION OF CLASS OF SECURITIES	BALANCE OF CLASS OF SECURITIES ON LAST REPORT	DATE	NATURE	NUMBER/VALUE ACQUIRED	NUMBER/VALUE DISPOSED OF	UNIT PRICE / EXERCISE PRICE	\$ US	PRESENT BALANCE OF CLASS OF SECURITIES HELD	DIRECT / INDIRECT OWNERSHIP / CONTROL OR DIRECTION	IDENTIFY THE REGISTERED HOLDER WHERE OWNERSHIP IS INDIRECT OR WHERE CONTROL OR DIRECTION IS EXERCISED
		DD	MM	YY						
							<input type="checkbox"/>			
							<input type="checkbox"/>			
							<input type="checkbox"/>			
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							<input type="checkbox"/>			

BOX 6. REMARKS

The undersigned certifies that the information given in this report is true and complete in every respect. It is an offence to submit information that, in a material respect and at the time and in the light of the circumstances in which it is submitted, is misleading or untrue.

BOX 7. SIGNATURE

NAME (BLOCK LETTERS)	SIGNATURE	DATE OF THIS REPORT	DD	MM	YY
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ATTACHMENT YES NO

This form is used as a uniform report for the insider reporting requirements under all provincial securities Acts. The terminology used is generic to accommodate the various Acts.

CORRESPONDENCE ENGLISH FRENCH

KEEP A COPY FOR YOUR FILE

ATTACHMENT PAGE

NAME (BLOCK LETTERS)	SIGNATURE	DATE OF THIS REPORT	DD	MM	YY
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INSTRUCTIONS

Insider Reports in English and French are available from Manitoba, Ontario, and Québec. If you are a corporate insider in the province of Québec, you will receive correspondence in French. Individuals in the province of Québec will receive, upon request, correspondence in English.

Where an insider of a reporting issuer does not own or have control or direction over securities of the reporting issuer, or where an insider's ownership or direction or control over securities of the reporting issuer remains unchanged from the last report filed, a report is not required. Insider reports are not required to be filed in New Brunswick, the Northwest Territories, Nunavut, Prince Edward Island or the Yukon.

If you have any questions about the form you should be using to file your report, see National Instrument 55-102 *System for Electronic Disclosure by Insiders (SEDI)*.

BOX 1 Name of reporting issuer

Provide the full legal name of the reporting issuer. Use a separate report for each reporting issuer.

BOX 2 Insider data

Indicate all of your relationship(s) to the reporting issuer using the following codes:

Reporting issuer that has acquired securities issued by itself	1
Subsidiary of the reporting issuer	2
Security holder who beneficially owns or who exercises control or direction over more than 10% of the securities of the reporting issuer (Québec Securities Act – 10% of a class of shares) to which are attached voting rights or an unlimited right to a share of the profits and to its assets in case of winding up	3
Director of a reporting issuer	4
Senior officer of a reporting issuer	5
Director or senior officer of a security holder referred to in 3	6
Director or senior officer of an insider or subsidiary of the reporting issuer, other than in 4, 5 and 6	7
Deemed insider – 6 months before becoming an insider	8

If you have filed a report before, indicate whether your relationship to the reporting issuer has changed.

Specify the date of the last report you filed, and if it is an initial report, the date on which you became an insider.

BOX 3 Name, address and telephone number of the insider

Provide your name, address and business telephone number.

BOX 4 Jurisdiction

Indicate each jurisdiction where the issuer is a reporting issuer or the equivalent.

BOX 5 Insider holdings and changes

Show direct and indirect holdings separately, both in the initial report and where a transaction is reported. Indicate only one transaction per line.

For an initial report complete only:

- A** designation of class of securities held
- D** present balance of class of securities held
- E** nature of ownership (see List of Codes)
- F** identification of the registered holder where ownership is not direct

If you acquired or disposed of securities while an insider, complete sections **A** to **F**:

- A** Indicate a designation of the securities traded that is sufficient to identify the class, including yield, series, maturity.
- B** Indicate the number of securities, or for debt securities, the aggregate nominal value, of the class held, directly and indirectly, before the transaction that is being reported.
- C** Indicate for each transaction:
 - the date of the transaction (not the settlement date)
 - the nature of the transaction (see List of Codes)
 - the number of securities acquired or disposed of, or for debt securities, the aggregate nominal value
 - the unit price paid or received on the day of the transaction, excluding the commission
 - if the report is in American dollars, check the space under "\$ US"

List of Codes

BOX 5 Nature of transaction

General

Acquisition or disposition in the public market	10
Acquisition or disposition carried out privately	11
Acquisition or disposition under a prospectus	15
Acquisition or disposition under a prospectus exemption	16
Acquisition or disposition pursuant to a take-over bid, merger or acquisition	22
Acquisition or disposition under a purchase/ownership plan	30
Stock dividend	35
Conversion or exchange	36
Stock split or consolidation	37
Redemption/retraction/cancellation/repurchase	38
Short sale	40
Compensation for property	45
Compensation for services	46
Acquisition or disposition by gift	47
Acquisition by inheritance or disposition by bequest	48

Issuer Derivatives

Grant of options	50
Exercise of options	51
Expiration of options	52
Grant of warrants	53
Exercise of warrants	54
Expiration of warrants	55
Grant of rights	56
Exercise of rights	57
Expiration of rights	58
Exercise for cash	59

Third Party Derivatives

Acquisition or disposition (writing) of third party derivative	70
Exercise of third party derivative	71
Other settlement of third party derivative	72
Expiration of third party derivative	73

Miscellaneous

Change in nature of ownership	90
Other	97
Correction of information	99

D Indicate the number of securities, or for debt securities, the aggregate nominal value, of the class held, directly and indirectly, after the transaction that is being reported.

E Indicate the nature of ownership, control or direction of the class of securities held using the following codes:

Direct ownership	1
Indirect ownership (identify the registered holder)	2
Control or direction (identify the registered holder)	3

F For securities that are indirectly held, or over which control or direction is exercised, identify the registered holder.

BOX 6 Remarks

Add any explanation necessary to make the report clearly understandable.

If space provided for any item is insufficient, additional sheets may be used.

Additional sheets must refer to the appropriate Box and must be properly identified and signed.

Office staff are not permitted to alter a report.

BOX 7 Signature and filing

Sign and date the report.

File one copy of each of the report in each jurisdiction in which the issuer is reporting within the time limits prescribed by the applicable laws of that jurisdiction.

Manually sign the report.

Legibly print or type the name of each individual signing the report.

If the report is filed on behalf of a company, partnership, trust or other entity, legibly print or type the name of that entity after the signature.

If the report is signed on behalf of an individual by an agent, there shall be filed with each jurisdiction in which the report is filed a duly completed power of attorney.

If the report is filled by facsimile in accordance with National Instrument 55-102 *System for Electronic Disclosure by Insiders (SEDI)*, the report should be sent to the applicable securities regulatory authority at the fax number set out below.

Alberta Securities Commission
4th Floor, 300 – 5th Avenue S.W.
Calgary, AB, T2P 3C4
Attention: Information Officer *
Telephone: (403) 297-6454
Facsimile: (403) 297-6156

Securities Commission of Newfoundland
P.O. Box 8700, 2nd Floor West Block
Confederation Building
St. John's, NFLD, A1B 4J6
Attention: Director of Securities *
Telephone: (709) 729-4189
Facsimile: (709) 729-6187

Commission des valeurs mobilières du Québec **
Stock Exchange Tower
P.O. Box 246, 22nd Floor
800 Victoria Square
Montreal, PQ, H4Z 1G3
Attention: Responsable de l'accès à l'information
Telephone: (514) 940-2150 or
(800) 361-5072 (in Québec)
Facsimile: (514) 873-3120

British Columbia Securities Commission
PO Box 10142, Pacific Centre
701 West Georgia Street
Vancouver, BC, V7Y 1L2
Attention: Supervisor, Insider Reporting *
Telephone: (604) 899-6500 or
(800) 373-6393 (in BC)
Facsimile: (604) 899-6550

Nova Scotia Securities Commission
2nd Floor, Joseph Howe Building
1690 Hollis Street, P.O. Box 458
Halifax, NS, B3J 3J9
Attention: FOI Officer *
Telephone: (902) 424-7768
Facsimile: (902) 424-4625

Saskatchewan Financial Services Commission
Securities Division
6th Floor, 1919 Saskatchewan Drive
Regina, SK, S4P 3V7
Attention: Director *
Telephone: (306) 787-5645
Facsimile: (306) 787-5899

The Manitoba Securities Commission
1130 – 405 Broadway
Winnipeg, MB, R3C 3L6
Attention: Continuous Disclosure *
Telephone: (204) 945-2548
Facsimile: (204) 945-4508

Ontario Securities Commission
Suite 1903, Box 55, 20 Queen Street West
Toronto, ON, M5H 3S8
Attention: FOI Coordinator *
Telephone: (416) 593-8314
Facsimile: (416) 593-3666

* For questions about the collection and use of personal information

** In Québec questions about the collection and use of personal information may also be addressed to the Commission d'accès à l'information du Québec (1-888-528-7741)