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, Québec, 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.

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BOX 6. REMARKS
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. 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.
CORRESPONDENCE ENGLISH FRENCH BOX 7. SIGNATURE
KEEP A COPY FOR YOUR FILE DAY / MONTH / YE
DATE OF THE REPORT
BCSC 55-102F6 Rev. 2001 / 6 / 25 VERSION FRANÇAISE DISPONIBLE SUR DEMANDE

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 the 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

3

4

5

6

7

8

Subsidiary of the reporting issuer

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

Director of a reporting issuer

Senior officer of a reporting issuer

Director or senior officer of a security holder referred to in 3

Director or senior officer of an insider or subsidiary of the reporting issuer, other than in 4, 5 and 6

Deemed insider – 6 months before becoming an insider

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
- (\overline{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,
- 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 United States dollars, check the space under "\$ US"

Alberta Securities Commission 4th Floor, 300 – 5th Avenue S.W. Calgary, AB T2P 3C4 Attention: Information Officer * Telephone: (403) 297-6454 Fax: (403) 297-6156 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) Fax: (604) 899-6550 The Manitoba Securities Commission

1130 – 405 Broadway Winnipeg, MB R3C 3L6 Attention: Continuous Disclosure * Telephone: (204) 945-2548 Fax: (204) 945-4508

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List of Codes

BOX 5 C Nature of transaction	
General Acquisition or disposition in the public market Acquisition or disposition carried out privately Acquisition or disposition under a prospectus Acquisition or disposition pursuant to a take-over bid, merger or acquisition Acquisition or disposition under a purchase/ownership plan Stock dividend Conversion or exchange Stock split or consolidation Redemption/retraction/cancellation/repurchase Short sale Compensation for property Compensation for services Acquisition or disposition by gift Acquisition by inheritance or disposition by bequest	10 11 15 16 22 30 35 36 37 38 40 45 46 47 48
Issuer Derivatives Grant of options Exercise of options Expiration of options Grant of warrants Exercise of warrants Expiration of warrants Grant of rights Exercise of rights Expiration of rights	50 51 52 53 54 55 56 57 58
Third Party Derivatives Acquisition or disposition (writing) of third party derivative Exercise of third party derivative Other settlement of third party derivative Expiration of third party derivative	70 71 72 73
<i>Miscellaneous</i> Change in the nature of ownership Other	90 97
 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 Indirect ownership (identify the registered holder) Control or direction (identify the registered holder) 	1 2 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 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 filed 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.

Stock Exchange Tower P.O. Box 246, 22nd Floor

800 Victoria Square Montreal, PQ H4Z 1G3

Attention:

Fax:

Fax:

Telephone:

Attention:

Telephone:

Commission des valeurs mobilières du Québec **

(514) 940-2150 or

(514) 873-3120

(306) 787-5645

(306) 787-5899

For questions about the collection and use of

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).

Saskatchewan Securities Commission 800 - 1920 Broad Street Regina, SK S4P 3V7

Director '

personal information.

Responsable de l'accès à l'information '

(800) 361-5072 (in Québec)

Securities Commission of Newfoundland P.O. Box 8700, 2nd Floor West Block Confederation Building St. John's, NF A1B 4J6 Attention: Director of Securities * Telephone: (709) 729-4189 Fax: (709) 729-6187
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 Fax: (902) 424-4625
Ontario Securities Commission Suite 1903, Box 55, 20 Queen Street West Toronto, ON M5H 3S8 Attention: FOI Coordinator *

Suite 1903, Box 55, 20 Queen Street WToronto, ON M5H 3S8Attention:FOI Coordinator *Telephone:(416)593-3666