

NOVA CHEMICALS CORP /NEW  
Form 6-K  
March 16, 2010

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**UNITED STATES**  
**SECURITIES AND EXCHANGE COMMISSION**  
Washington, D.C. 20549

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**FORM 6-K**

**REPORT OF FOREIGN PRIVATE ISSUER**

**Pursuant to Rule 13a-16 or 15d-16**  
**Under The Securities Exchange Act of 1934**

For the month of March 2010  
Commission File Number: 1-13064

**NOVA Chemicals Corporation**

1000 Seventh Avenue S.W., Calgary, Alberta, Canada, T2P 5L5  
(Address of principal executive office)

Indicate by check mark whether the registrant files or will file annual reports under cover of Form 20-F or Form 40-F.

Form 20-F

Form 40-F

Indicate by check mark if the registrant is submitting the Form 6-K in paper as permitted by Regulation S-T Rule 101(b)(1): \_\_\_\_\_

Indicate by check mark if the registrant is submitting the Form 6-K in paper as permitted by Regulation S-T Rule 101(b)(7): \_\_\_\_\_

A copy of the Company's:

- (a) Annual Audited Financial Statements for the year Ended December 31, 2009
- (b) Annual Management's Discussion and Analysis of Financial Condition and Results of Operations for the year Ended December 31, 2009; and
- (c) Statement of Executive Compensation

are furnished herewith.

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**SIGNATURES**

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorized.

**NOVA Chemicals Corporation**

/s/ WILLIAM MITCHELL

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William Mitchell  
Vice President, General Counsel and  
Assistant Corporate Secretary

March 16, 2010

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**EXHIBITS**

Attached hereto is:

- 99.1 Annual Audited Financial Statements for the year Ended December 31, 2009
  - 99.2 Annual Management's Discussion and Analysis of Financial Condition and Results of Operations for the year Ended December 31, 2009
  - 99.3 Statement of Executive Compensation
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SIGNATURES

EXHIBITS