

NOVA CHEMICALS CORP /NEW  
Form 6-K  
February 20, 2007

# 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 February 2007

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):

Indicate by check mark whether by furnishing the information contained in this Form, the registrant is also thereby furnishing the information to the Commission pursuant to Rule 12g3-2(b) under the Securities Exchange Act of 1934.

Yes

No

If  Yes is marked, indicate below the file number assigned to the registrant in connection with Rule 12g3-2(b): 82- N/A.

A copy of the Registrant s:

(a) Press Release dated February 16, 2007; NOVA Chemicals calls for end to CN rail strike.

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is furnished herewith and is incorporated by reference into the following Registration Statements:

Registration Statement on Form S-8 #33-47673

Registration Statement on Form S-8 #333-520

Registration Statement on Form S-8 #333-9076

Registration Statement on Form S-8 #333-9078

Registration Statement on Form S-8 #33-86218

Registration Statement on Form S-8 #33-77308

Registration Statement on Form S-8 #333-11280

Registration Statement on Form S-8 #333-12910

Registration Statement on Form S-8 #333-101793

Registration Statement on Form S-8 #333-109424

**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/ Jack S. Mustoe*  
Jack S. Mustoe  
Senior Vice President, Chief Legal Officer  
and Corporate Secretary

February 19, 2007

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**EXHIBITS**

Attached hereto is:

99.1 Press Release dated February 16, 2007; NOVA Chemicals calls for end to CN rail strike.

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