

NORTHFIELD LABORATORIES INC /DE/  
Form 8-K  
May 11, 2009

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

**FORM 8-K  
CURRENT REPORT**

**Pursuant to Section 13 or 15(d) of the  
Securities Exchange Act of 1934**

**Date of report (Date of earliest event reported): May 8, 2009**

**NORTHFIELD LABORATORIES INC.**

(Exact Name of Registrant as Specified in Charter)

**Delaware**  
(State or Other Jurisdiction of  
Incorporation)

**000-24050**  
(Commission File Number)

**36-3378733**  
(IRS Employer Identification  
No.)

**1560 Sherman Avenue  
Suite 1000  
Evanston, Illinois 60201-4800**  
(Address of Principal Executive Offices and Zip Code)

**(847) 864-3500**  
(Registrant's Telephone Number, Including Area Code)

**Not Applicable**  
(Former Name or Former Address, if Changed Since Last Report)

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions:

- Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)
  - Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)
  - Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))
  - Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))
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**Item 7.01. Regulation FD Disclosure.**

On May 8, 2009, Northfield Laboratories Inc. issued a press release announcing that it had terminated the employment of substantially all of its operational and staff employees at its manufacturing facility in Mount Prospect, Illinois and headquarters in Evanston, Illinois.

*The information in this Item 7.01 and the exhibit referenced in Item 9.01 below will not be deemed to be filed for the purposes of Section 18 of the Securities Exchange Act of 1934 (the Exchange Act), or otherwise subject to the liabilities of such section, nor will such information or exhibit be deemed incorporated by reference in any filing under the Securities Act of 1933 or the Exchange Act, except as may be expressly set forth by specific reference in such filing.*

**Item 9.01 Financial Statements and Exhibits.**

| Exhibit No. | Description                      |
|-------------|----------------------------------|
| 99.1        | Press Release dated May 8, 2009. |

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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 hereunto duly authorized.

Dated: May 11, 2009

**NORTHFIELD LABORATORIES INC.**

By: /s/ Jack J. Kogut

Jack J. Kogut

*Senior Vice President Administration*

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Exhibit Index

Exhibit No. Description

99.1 Press Release dated May 8, 2009.