

**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)
July 7, 2009

METABOLIX, INC.

(Exact Name of Registrant as Specified in Charter)

Delaware
(State or Other Jurisdiction
of Incorporation)

001-33133
(Commission File Number)

04-3158289
(IRS Employer
Identification No.)

21 Erie Street, Cambridge, Massachusetts 02139
(Address of Principal Executive Offices) (Zip Code)

Registrant's telephone number, including area code: **(617) 583-1700**

(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 (see General Instruction A.2. below):

- 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))

Item 1.01. Entry into a Material Definitive Agreement.

On July 7, 2009, the Board of Directors of Metabolix, Inc. (the "Company") adopted a shareholder rights plan, as set forth in the Shareholder Rights Agreement, dated July 7, 2009, between the Company and American Stock Transfer & Trust Company, LLC, as Rights Agent (the "Rights Agreement"). The Rights Agreement contains a "TIDE" provision, which requires an independent committee of the Board of Directors of the Company to review once every three years whether maintaining the Rights Agreement continues to be in the best interest of the stockholders. The following description of the terms of the Rights Agreement does not purport to be complete and is qualified in its entirety by reference to the Rights Agreement which is attached hereto as an exhibit and is incorporated herein by reference.

Pursuant to the terms of the Rights Agreement, the Board of Directors declared a dividend distribution of one Preferred Stock Purchase Right (a "Right") for each outstanding share of common stock, par value \$0.01 per share, of the Company (the "Common Stock") to stockholders of record as of the close of business on July 8, 2009 (the "Record Date"). In addition, one Right will automatically attach to each share of Common Stock issued between the Record Date and the Distribution Date (as hereinafter defined). Each Right entitles the registered holder thereof to purchase from the Company a unit consisting of one ten-thousandth of a share (a "Unit") of Series A Junior Participating Cumulative Preferred Stock, par value \$0.01 per share, of the Company (the "Preferred Stock") at a cash exercise price of \$80.00 per Unit (the "Exercise Price"), subject to adjustment, under certain conditions specified in the Rights Agreement and summarized below.

Initially, the Rights are not exercisable and are attached to and trade with all shares of Common Stock outstanding as of, and issued subsequent to, the Record Date. The Rights will separate from the Common Stock and will become exercisable upon the earlier of (i) the close of business on the tenth calendar day following the first public announcement that a person or group of affiliated or associated persons (an "Acquiring Person") has acquired beneficial ownership of 15% or more of the outstanding shares of Common Stock, other than as a result of repurchases of stock by the Company or certain inadvertent actions by a stockholder (the date of said announcement being referred to as the "Stock Acquisition Date"), or (ii) the close of business on the tenth business day (or such later day as the Board of Directors may determine) following the commencement of a tender offer or exchange offer that could result upon its consummation in a person or group becoming the beneficial owner of 15% or more of the outstanding shares of Common Stock (the earlier of such dates being herein referred to as the "Distribution Date").

In the event that a Stock Acquisition Date occurs, proper provision will be made so that each holder of a Right (other than an Acquiring Person or its associates or affiliates, whose Rights shall become null and void) will thereafter have the right to receive upon exercise, in lieu of a number of Units of Preferred Stock, that number of shares of Common Stock of the Company (or, in certain circumstances, including if there are insufficient shares of Common Stock to permit the exercise in full of the Rights, Units of Preferred Stock, other securities, cash or property, or any combination of the foregoing) having a market value of two times the Exercise Price of the Right (such right being referred to as the "Subscription Right"). In the

event that, at any time following the Stock Acquisition Date, (i) the Company consolidates with, or merges with and into, any other person, and the Company is not the continuing or surviving corporation, (ii) any person consolidates with the Company, or merges with and into the Company and the Company is the continuing or surviving corporation of such merger and, in connection with such merger, all or part of the shares of Common Stock are changed into or exchanged for stock or other securities of any other person or cash or any other property, or (iii) 50% or more of the Company's assets or earning power is sold, mortgaged or otherwise transferred, each holder of a Right (other than an Acquiring Person or its associates or affiliates, whose Rights shall become null and void) will thereafter have the right to receive, upon exercise, common stock of the acquiring company having a market value equal to two times the Exercise Price of the Right (such right being referred to as the "Merger Right"). The holder of a Right will continue to have the Merger Right whether or not such holder has exercised the Subscription Right. Rights that are or were beneficially owned by an Acquiring Person may (under certain circumstances specified in the Rights Agreement) become null and void.

The Rights may be redeemed in whole, but not in part, at a price of \$0.001 per Right (payable in cash, Common Stock or other consideration deemed appropriate by the Board of Directors) by the Board of Directors only until the earlier of (i) the time at which any person becomes an Acquiring Person or (ii) the expiration date of the Rights Agreement. Immediately upon the action of the Board of Directors ordering redemption of the Rights, the Rights will terminate and thereafter the only right of the holders of Rights will be to receive the redemption price.

The Rights Agreement may be amended by the Board of Directors in its sole discretion at any time prior to the time at which any person becomes an Acquiring Person. After such time the Board of Directors may, subject to certain limitations set forth in the Rights Agreement, amend the Rights Agreement only to cure any ambiguity, defect or inconsistency, to shorten or lengthen any time period, or to make changes that do not adversely affect the interests of Rights holders (excluding the interests of an Acquiring Person or its associates or affiliates). In addition, the Board of Directors may at any time prior to the time at which any person becomes an Acquiring Person, amend the Rights Agreement to lower the threshold at which a person becomes an Acquiring Person to not less than the greater of (i) the sum of 0.001% and the largest percentage of the outstanding Common Stock then owned by any person and (ii) 10%.

Until a Right is exercised, the holder will have no rights as a stockholder of the Company (beyond those as an existing stockholder), including the right to vote or to receive dividends. While the distribution of the Rights will not be taxable to stockholders or to the Company, stockholders may, depending upon the circumstances, recognize taxable income in the event that the Rights become exercisable for Units, other securities of the Company, other consideration or for common stock of an acquiring company.

The Rights are not exercisable until the Distribution Date and will expire at the close of business on July 8, 2019, unless previously redeemed or exchanged by the Company.

Item 3.03. Material Modification to Rights of Security Holders.

Please see the disclosure set forth under Item 1.01, which is incorporated by reference into this Item 3.03.

Item 8.01. Other Events.

On July 7, 2009, the Company issued a press release announcing the adoption of the Rights Agreement. Please see the disclosure set forth under Item 1.01, which is incorporated by reference into this Item 8.01. A copy of the press release is attached hereto as Exhibit 99.1 and incorporated by reference herein.

Item 9.01. Financial Statements and Exhibits.

(d) Exhibits.

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| 3.1 | Certificate of Designations, Preferences and Rights of a Series of Preferred Stock of Metabolix, Inc. classifying and designating the Series A Junior Participating Cumulative Preferred Stock, filed as an exhibit to the Company's Registration Statement on Form 8-A on July 8, 2009 and incorporated herein by reference. |
| 4.1 | Shareholder Rights Agreement, dated as of July 7, 2009, between Metabolix, Inc. and American Stock Transfer & Trust Company, LLC, as Rights Agent, filed as an exhibit to the Company's Registration Statement on Form 8-A on July 8, 2009 and incorporated herein by reference. |
| 99.1 | Press Release issued by Metabolix, Inc. dated July 7, 2009. |

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.

METABOLIX, INC.

Date: July 8, 2009

By: /s/ Richard P. Eno

Name: Richard P. Eno

Title: President and CEO

EXHIBIT INDEX

Exhibit No.	Description
3.1	Certificate of Designations, Preferences and Rights of a Series of Preferred Stock of Metabolix, Inc. classifying and designating the Series A Junior Participating Cumulative Preferred Stock, filed as an exhibit to the Company's Registration Statement on Form 8-A on July 8, 2009 and incorporated herein by reference.
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99.1	Press Release issued by Metabolix, Inc. dated July 7, 2009.



Metabolix, Inc. Adopts Shareholder Rights Plan

CAMBRIDGE, Mass., July 7, 2009 – Metabolix, Inc. (NASDAQ: MLBX), a bioscience company focused on developing clean, sustainable solutions for plastics, chemicals and energy, announced today that its Board of Directors has adopted a Shareholder Rights Plan.

Richard Eno, President and CEO of Metabolix, stated, “The Board believes that a Shareholder Rights Plan enhances its ability to protect shareholder interests and ensures that shareholders receive fair treatment in the event of any coercive takeover attempt. The Plan was not adopted in response to any current effort to acquire control of the Company. It is intended to provide the Board with sufficient time to consider any and all alternatives to maximize value to shareholders.”

The Metabolix Shareholder Rights Plan contains a “TIDE” provision, which requires an independent committee of the Board of Directors to review its Shareholder Rights Plan once every three years and to determine whether maintaining the Rights Plan continues to be in the best interest of the stockholders.

In connection with the adoption of the Shareholder Rights Plan, the Board of Directors declared a dividend distribution of one preferred stock purchase right for each outstanding share of Metabolix common stock to shareholders of record as of the close of business on July 8, 2009. Initially, these rights will not be exercisable and will trade with the shares of Metabolix common stock. Under the Shareholder Rights Plan, the rights generally will become exercisable if a person becomes an “acquiring person” by acquiring 15% or more of the common stock of Metabolix or if a person commences a tender offer that could result in that person owning 15% or more of the common stock of Metabolix. If a person becomes an “acquiring person,” each holder of a right (other than the acquiring person) would be entitled to purchase, at the then-current exercise price, such number of shares of preferred stock which are equivalent to shares of Metabolix common stock having a value of twice the exercise price of the right. If Metabolix is acquired in a merger or other business combination transaction after any such event, each holder of a right would then be entitled to purchase, at the then-current exercise price, shares of the acquiring company’s common stock having a value of twice the exercise price of the right.

About Metabolix, Inc.

Founded in 1992, Metabolix, Inc. is an innovation driven bioscience company focused on providing sustainable solutions for the world’s needs for plastics, chemicals and energy. The Company is taking a systems approach, from gene to end product, integrating sophisticated biotechnology with advanced industrial practice. Metabolix is now developing and commercializing Mirel(TM), a family of high performance bioplastics which are biobased and biodegradable alternatives to many petroleum based plastics. Metabolix is also developing a proprietary platform technology for co-producing plastics, chemicals and energy, from crops such as switchgrass, oilseeds and sugarcane.

For more information, please visit www.metabolix.com. (MBLX-G)

Contacts

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