

BSD MEDICAL CORP  
Form 8-K/A  
July 29, 2009

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

FORM 8-K/A

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 27, 2009

BSD MEDICAL CORPORATION  
(Exact name of registrant as specified in its charter)

Delaware  
(State or other jurisdiction of  
incorporation)

0-10783  
(Commission File Number)

75-1590407  
(IRS Employer Identification)

2188 West 2200 South  
Salt Lake City, Utah 84119  
(Address of principal executive offices, including Zip Code)  
Registrant's telephone number, including area code: (801) 972-5555

N/A  
(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))

Item 7.01 Regulation FD Disclosure.

On July 27, 2009, BSD Medical Corporation completed the mailing of a letter to shareholders dated July, 21, 2009 and signed by Harold R. Wolcott, President. A copy of the letter to shareholders is hereby furnished as Exhibit 99.1 attached hereto and incorporated by reference herein.

Item 9.01 Financial Statements and Exhibits.

(d) Exhibits

99.1 Letter to Shareholders dated July 21, 2009.

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: July 29, 2009

By: /s/ Dennis P. Gauger  
Dennis P. Gauger  
Chief Financial Officer

EXHIBIT INDEX

| Exhibit No. | Description                                       |
|-------------|---|
| <u>99.1</u> | <u>Letter to Shareholders dated July 21, 2009</u> |

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