

AnorMED Inc.  
Form SC 14D9/A  
September 18, 2006

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

**SCHEDULE 14D-9**  
**SOLICITATION/RECOMMENDATION STATEMENT UNDER**  
**SECTION 14(d)(4) OF THE SECURITIES EXCHANGE ACT OF 1934**  
**(Amendment No. 4)**

**AnorMED Inc.**

(Name of Subject Company)

**AnorMED Inc.**

(Name of Persons Filing Statement)

**Common Shares**

(Title of Class of Securities)

**035910108**

(CUSIP Number of Class of Securities)

**William J. Adams**

**Vice President, Finance, Chief Financial Officer,**

**Secretary and Treasurer**

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(Name, address and telephone number of person authorized to receive notices  
and communications on behalf of filing persons)

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- Check the box if the filing relates solely to preliminary communications made before the commencement of a tender offer.

This Amendment No. 4 amends and supplements the Solicitation/Recommendation Statement on Schedule 14D-9 (as amended, the Statement ) initially filed by AnorMED Inc. with the U.S. Securities and Exchange Commission on September 5, 2006, relating to the tender offer (the Genzyme Offer ) made by Dematal Corporation ( Dematal ), a Nova Scotia unlimited liability company and a wholly-owned subsidiary of Genzyme Corporation ( Genzyme and together with Dematal, the Offerors ), a Massachusetts corporation, for all of the common shares of AnorMED. The terms and conditions of the Genzyme Offer are set forth in the Offer to Purchase and Circular of the Offerors, dated September 1, 2006 (the Tender Offer Circular ). The Tender Offer Circular has been filed by the Offerors with the U.S. Securities and Exchange Commission as part of a Tender Offer Statement on Schedule TO (as it may be amended or supplemented from time to time, the Schedule TO ), which includes information required to be reported under Rule 14d-3 of the Securities Exchange Act of 1934, as amended. The Schedule TO was initially filed by the Offerors on September 1, 2006.

In connection with the Genzyme Offer, the Company s board of directors has prepared a directors circular (the Directors Circular ), dated September 5, 2006, pursuant to applicable securities laws in Canada and the United States. The Directors Circular will be mailed to AnorMED shareholders , was filed as exhibit (a)(2)(A) to the initial filing of this Statement, and is incorporated by reference into this Statement in its entirety. Capitalized terms used herein and not defined herein have the respective meanings assigned to such terms in the Directors Circular.

**Item 8. ADDITIONAL INFORMATION.**

Item 8 is hereby amended and supplemented as follows:

On September 15, 2006, AnorMED announced that the Toronto Stock Exchange (the TSX ) has deferred its review of AnorMED s shareholder rights plan. This decision is in accordance with TSX policy which states that, in the context of an active take-over bid, TSX will normally defer its own review until the appropriate securities commission has determined whether or not it will intervene pursuant to National Policy 62-202 of the Canadian Securities Administrators. TSX Policy also indicates that if the securities commission does not intervene, TSX will generally not object to the adoption of the Plan, provided that it is ratified by security holders at a meeting held within six months following the date of adoption of the Plan. The rights plan remains effective in accordance with its terms.

**Item 9. EXHIBITS**

Item 9 is hereby amended and supplemented to include the following exhibits:

| Exhibit   | Description                            |
|-----------|----------------------------------------|
| (a)(2)(G) | News release, dated September 15, 2006 |

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**SIGNATURES**

After due inquiry and to the best of my knowledge and belief, I certify that the information set forth in this Statement is true, complete and correct.

Dated: September 15, 2006

**ANORMED INC.**

By: /s/ William J. Adams

Name: William J. Adams

Title: Vice President, Finance, Chief  
Financial Officer, Secretary and  
Treasurer

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**EXHIBIT INDEX**

| Exhibit    | Description                                            |
|------------|--------------------------------------------------------|
| (a)(2)(A)* | Directors Circular, dated September 5, 2006            |
| (a)(2)(B)* | Press release of AnorMED Inc., dated September 5, 2006 |
| (a)(2)(C)* | News release, dated September 7, 2006                  |
| (a)(2)(D)* | Material Change Report, dated September 11, 2006       |
| (a)(2)(E)* | Material Change Report, dated September 11, 2006       |
| (a)(2)(F)* | Limited Duration Shareholder Rights Plan Agreement     |
| (a)(2)(G)  | News release, dated September 15, 2006                 |
| (g)(1)*    | Information Agent Script for Incoming Calls            |
| (g)(2)*    | Information Agent Script for Outgoing Calls            |

\*Previously  
filed.