



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

DIVISION OF
CORPORATION FINANCE

July 8, 2015

Via E-mail

Timothy W. Baker
President, Chief Operating Officer and Chief Financial Officer
Cynosure, Inc.
5 Carlisle Road
Westford, MA 01886

Re: Cynosure, Inc.
Form 10-K for Fiscal Year Ended December 31, 2014
Filed March 13, 2015
File No. 0-51623

Dear Mr. Baker:

We have limited our review of your filing to your contacts with countries that have been identified as state sponsors of terrorism, and we have the following comments. Our review with respect to this issue does not preclude further review by the Assistant Director group with respect to other issues. In our comments, we ask you to provide us with information so we may better understand your disclosure.

Please respond to these comments within ten business days by providing the requested information or advise us as soon as possible when you will respond. If you do not believe our comments apply to your facts and circumstances, please tell us why in your response.

After reviewing your response to these comments, we may have additional comments.

General

1. You state, on pages 49 and F-18 of the 10-K, that you acquired substantially all the assets and certain of the liabilities of Ellman International in September 2014. You state, on page 22 of Exhibit 99.1 to the amended 8-K filed November 7, 2014, that Ellman made unlicensed exports of medical equipment to Syria. We note also that your website accepts information requests from persons in countries including Sudan

Sudan and Syria are designated by the Department of State as state sponsors of terrorism, and are subject to U.S. economic sanctions and export controls. Please describe to us the nature and extent of your past, current, and anticipated contacts with Sudan and Syria, if any, whether through subsidiaries, distributors, partners, joint venture or other direct or indirect arrangements. You should describe any services, products, information or technology you have provided to Sudan or Syria, directly or indirectly, and any

agreements, commercial arrangements, or other contacts you have had with the governments of those countries or entities they control.

2. Please discuss the materiality of any contacts with Sudan and Syria you describe in response to the comment above, and whether those contacts constitute a material investment risk for your security holders. You should address materiality in quantitative terms, including the approximate dollar amounts of any associated revenues, assets, and liabilities for the last three fiscal years and the subsequent interim period. Also, address materiality in terms of qualitative factors that a reasonable investor would deem important in making an investment decision, including the potential impact of corporate activities upon a company's reputation and share value. Various state and municipal governments, universities, and other investors have proposed or adopted divestment or similar initiatives regarding investment in companies that do business with U.S.-designated state sponsors of terrorism. You should address the potential impact of the investor sentiment evidenced by such actions directed toward companies that have operations associated with Sudan and Syria.

We urge all persons who are responsible for the accuracy and adequacy of the disclosure in the filing to be certain that the filing includes the information the Securities Exchange Act of 1934 and all applicable Exchange Act rules require. Since the company and its management are in possession of all facts relating to a company's disclosure, they are responsible for the accuracy and adequacy of the disclosures they have made.

In responding to our comments, please provide a written statement from the company acknowledging that:

- the company is responsible for the adequacy and accuracy of the disclosure in the filing;
- staff comments or changes to disclosure in response to staff comments do not foreclose the Commission from taking any action with respect to the filing; and
- the company may not assert staff comments as a defense in any proceeding initiated by the Commission or any person under the federal securities laws of the United States.

You may contact Daniel Leslie, Staff Attorney, at (202) 551-3876 or me at (202) 551-3470 if you have any questions about the comments or our review.

Sincerely,

/s/ Cecilia Blye

Cecilia Blye, Chief
Office of Global Security Risk

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cc: Amanda Ravitz
Assistant Director
Division of Corporation Finance

Peter C. Anastos
Senior Vice President, General Counsel and Secretary
Cynosure, Inc.