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 31, 2011

Great Lakes Dredge & Dock Corporation

(Exact name of Registrant as specified in its charter)

Delaware (State or other jurisdiction of Incorporation or Organization) **001-33225** (Commission File Number) 20-5336063 (I.R.S. Employer Identification No.)

2122 York Road Oak Brook, Illinois 60523 (Address of Principal Executive Offices)

(630) 574-3000

(Registrant's telephone number, including area code)

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))

Dere-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))

Item 8.01 — Other Events

On May 31, 2011 the Company issued a press release announcing that the Company's Board of Directors declared a quarterly cash dividend of \$0.021 per share on its common stock. This dividend will be payable on June 17, 2011 to shareholders of record of the Company's common stock at the close of business on June 10, 2011. A copy of the press release is furnished as Exhibit 99.1 and incorporated herein by reference.

Item 9.01 — Financial Statements and Exhibits

(d) Exhibits

The following exhibit is furnished herewith:

99.1 Press Release of Great Lakes Dredge & Dock Corporation dated May 31, 2011 announcing a quarterly cash dividend.

SIGNATURE

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.

GREAT LAKES DREDGE & DOCK CORPORATION

/s/ Bruce J Biemeck

Bruce J Biemeck President and Chief Financial Officer

3

Date: May 31, 2011

EXHIBIT INDEX

Exhibit Number Press Release of Great Lakes Dredge & Dock Corporation dated May 31, 2011 announcing a quarterly cash dividend. 99.1



News from Great Lakes Dredge & Dock Corporation

For further information contact: Katie Hayes, Investor Relations @ 630-574-3772

GREAT LAKES DREDGE & DOCK CORPORATION INCREASES QUARTERLY CASH DIVIDEND

Oak Brook, Illinois — May 31, 2011 — Great Lakes Dredge & Dock Corporation (NASDAQ:GLDD)—announced today that its Board of Directors ("the Board") has declared a quarterly cash dividend on its common stock. The Board approved increasing its annual dividend by \$1 million resulting in an aggregate expected dividend of \$5 million per year, the maximum allowed under the Company's senior credit facility. Future dividend payments remain subject to the discretion of the Board. This increase will result in an additional \$250,000 paid to stockholders in the current quarter. The Board approved a \$0.021 per share cash dividend, to be paid on June 17, 2011 to the holders of record of common stock of the Company at the close of business on June 10, 2011.

Jonathan Berger, Chief Executive Officer, stated, "We are pleased to be able to increase our quarterly dividend as a result of our strong financial performance, including robust earnings growth and cash flow. The Company continues to strengthen its financial position and will look to deploy capital in a manner that creates value for our shareholders."

Great Lakes Dredge & Dock Corporation is the largest provider of dredging services in the United States and the only U.S. dredging company with significant international operations. The Company is also one of the largest U.S. providers of commercial and industrial demolition services primarily in the Northeast. Additionally, the Company owns a 50% interest in a marine sand mining operation in New Jersey which supplies sand and aggregate used for road and building construction. Great Lakes employs over 150 degreed engineers, most specializing in civil and mechanical engineering, which contributes to its 121-year history of never failing to complete a marine project. Great Lakes has a disciplined training program for engineers which ensures experienced-based performance as they advance through Company operations. Great Lakes also owns the largest and most diverse fleet in the U.S. industry, comprised of over 180 specialized vessels.

Cautionary Note Regarding Forward-Looking Statements

Certain statements in this press release may constitute "forward-looking" statements as defined in Section 27A of the Securities Act of 1933 (the "Securities Act"), Section 21E of the Securities Exchange Act of 1934 (the "Exchange Act"), the Private Securities Litigation Reform Act of 1995 (the "PSLRA") or in releases made by the Securities and Exchange Commission ("SEC"), all as may be amended from time to time. Such forward-looking statements involve known and unknown risks, uncertainties and other important factors that could cause the actual results, performance or achievements of Great Lakes and its subsidiaries, or industry results, to differ materially from any future results, performance or achievements expressed or implied by such forward-looking statements. Forward-looking statements can be identified by, among other things, the use of forward-looking language, such as the words "plan," "believe," "expect," "anticipate," "intend," "estimate," "project," "may," "would," "could," "should," "seeks," or "scheduled to," or other similar words or comparable language, or by discussion of strategy or intentions. These cautionary statements are being made pursuant to the Securities Act, the Exchange Act and the PSLRA with the intention of obtaining the benefits of the "safe harbor" provisions of such laws. Great Lakes cautions that actual results may differ materially from those contained in any forward-looking statements herein, including, but not limited to, as a result of the factors, risks and uncertainties described in other securities filings of Great Lakes with the SEC, such as its most recent Annual Report on Form 10-K. You should not place undue reliance on these forward looking statements. The forward-looking statements whether as a result of new information, subsequent events or otherwise, unless otherwise required by law. All forward-looking statements are qualified in their entirety by this cautionary statement.