

Seanergy Maritime Holdings Corp.  
Form 6-K  
February 09, 2010

**FORM 6-K**  
**SECURITIES AND EXCHANGE COMMISSION**  
**Washington, D.C. 20549**  
**Report of Foreign Private Issuer**  
**Pursuant to Rule 13a-16 or 15d-16**  
**of the Securities Exchange Act of 1934**  
For February 8, 2010  
Commission File Number: 001-33690  
**SEANERGY MARITIME HOLDINGS CORP.**

1-3 Patriarchou Grigoriou  
16674 Glyfada  
Athens, Greece

(Address of principal executive offices)

Indicate by check mark whether the registrant files or will file annual reports under cover Form 20-F or Form 40-F.  
Form 20-F  Form 40-F

Indicate by check mark if the registrant is submitting the Form 6-K in paper as permitted by Regulation, S-T  
Rule 101(b)(1):

Indicate by check mark if the registrant is submitting the Form 6-K in paper as permitted by Regulation S-T  
Rule 101(b)(7):

Indicate by check mark whether the registrant by furnishing the information contained in this Form, is also thereby  
furnishing the information to the Commission pursuant to Rule 12g3-2(b) under the Securities Exchange Act of 1934.

Yes  No

If  Yes  is marked, indicate below the file number assigned to the registrant in connection with Rule 12g3-2(b):

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On February 8, 2010, Seanergy Maritime Holdings Corp. issued a press release announcing that its Board of Directors has determined to terminate the memorandum of agreement for the intended acquisition of a 2009 Capesize vessel as described in the Company's prospectus dated January 28, 2010.

A copy of the related press release is attached hereto as Exhibit 99.1 and is incorporated herein by reference.

**SUBMITTED HEREWITH:**

Exhibits

99.1 Press Release dated February 8, 2010.

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**SIGNATURES**

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this registration statement to be signed on its behalf by the undersigned, thereto duly authorized.

**Seanergy Maritime Holdings Corp.**

Dated: February 8, 2010

By: /s/ Christina Anagnostara  
Name: Christina Anagnostara  
Title: Chief Financial Officer