
**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): March 10, 2015

MASTECH HOLDINGS, INC.
(Exact Name of Registrant as Specified in Its Charter)

Pennsylvania
(State or Other Jurisdiction
of Incorporation)

001-34099
(Commission
File Number)

26-2753540
(IRS Employer
Identification No.)

**1305 Cherrington Parkway, Suite 400, Moon
Township, PA**
(Address of Principal Executive Offices)

15108
(Zip Code)

(412) 787-2100
(Registrant's Telephone Number, Including Area Code)

(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))
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Item 5.02 Departure of Directors or Certain Officers; Election of Directors; Appointment of Certain Officers; Compensatory Arrangements of Certain Officers.

On March 10, 2015, Scott A. Aicher ceased to be Vice President and Chief Operating Officer of Mastech Holdings, Inc. (the “Company”). In connection with such cessation, Mr. Aicher will receive the payments and other benefits provided for in Section 8(b) of his Executive Employment Agreement, as amended on March 20, 2014, filed as Exhibit 10.4 to the Company’s Annual Report on Form 10-K for the year ended December 31, 2013, filed on March 21, 2014 and incorporated by reference herein.

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.

MASTECH HOLDINGS, INC.

By: /s/ John J. Cronin

Name: John J. Cronin

Title: Chief Financial Officer

March 12, 2015