



**(772) 617-4340**

(Registrant's Telephone Number, Including Area Code)

**n/a**

(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 (see General Instruction A.2. below):

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 (17CFR 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 8.01.**

**Other Events.**

On May 25, 2010, ARMOUR Residential REIT, Inc. (the Company ) announced the declaration of a quarterly dividend of \$0.40 per common share for the second fiscal quarter of 2010. The dividend will be paid on July 29, 2010 to stockholders of record on June 3, 2010, with an ex-dividend date of June 1, 2010.

A copy of the Company s press release announcing the dividend is attached hereto as Exhibit 99.1 and incorporated herein by this reference.

**Item 9.01.**

**Financial Statements and Exhibits.**

(c) Exhibits

| <b>Exhibit No.</b> | <b>Description</b>                |
|--------------------|-----------------------------------|
| 99.1               | Press Release, dated May 25, 2010 |

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**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.

Dated: May 25, 2010

**ARMOUR RESIDENTIAL REIT, INC.**

By: /s/ Jeffrey J. Zimmer

Name: Jeffrey J. Zimmer

Title: Co-Chief Executive Officer, President and Vice Chairman

**Exhibit Index**

| <b>Exhibit No.</b> | <b>Description</b>                |
|--------------------|-----------------------------------|
| 99.1               | Press Release, dated May 25, 2010 |