Mangas Thomas B Form 4 December 21, 2010

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB Number:

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January 31, 2005

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if no longer subject to Section 16. Form 4 or Form 5

obligations

may continue.

Check this box

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section 30(h) of the Investment Company Act of 1940

See Instruction 1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * Mangas Thomas B

2. Issuer Name and Ticker or Trading Symbol

5. Relationship of Reporting Person(s) to Issuer

ARMSTRONG WORLD INDUSTRIES INC [AWI]

(Check all applicable)

Senior VP & CFO

(Last)

(First) (Middle) 3. Date of Earliest Transaction

Director 10% Owner X_ Officer (give title Other (specify

C/O ARMSTRONG WORLD INDUSTRIES, INC., 2500

COLUMBIA AVENUE

4. If Amendment, Date Original

(Instr. 8)

6. Individual or Joint/Group Filing(Check

Applicable Line)

(Street)

Filed(Month/Day/Year)

(Month/Day/Year)

12/17/2010

X Form filed by One Reporting Person Form filed by More than One Reporting

(Instr. 4)

below)

LANCASTER, PA 17603

(City) (State) Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

1.Title of Security (Instr. 3)

2. Transaction Date 2A. Deemed (Month/Day/Year)

Execution Date, if

(Month/Day/Year)

(Zip)

3. 4. Securities TransactionAcquired (A) or Code Disposed of (D) (Instr. 3, 4 and 5) 5. Amount of Securities Beneficially Owned Following

6. Ownership 7. Nature of Form: Direct Indirect (D) or Indirect Beneficial Ownership

(Instr. 4)

(A)

Reported Transaction(s)

(Instr. 3 and 4) Code V Amount (D) Price

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

Persons who respond to the collection of SEC 1474 information contained in this form are not (9-02)required to respond unless the form displays a currently valid OMB control number.

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

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| 1. Title of Derivative Security (Instr. 3) | 2. Conversion or Exercise Price of Derivative Security | 3. Transaction Date (Month/Day/Year) | 3A. Deemed Execution Date, if any (Month/Day/Year) | 4. Transactio Code (Instr. 8) | 5. Number of orDerivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5) | | 6. Date Exercisable and Expiration Date (Month/Day/Year) | | 7. Title and Amoun Underlying Securit (Instr. 3 and 4) | |
|---|---|---|---|--|---|--------|--|--------------------|--|---------------------------|
| | | | | Code V | (A) | (D) | Date Exercisable | Expiration Date | Title | Amo or Num of Sh |
| Stock Option | \$ 34.13 | 12/17/2010 | | D <u>(1)</u> | | 16,666 | 03/02/2012 | 03/02/2020 | Common stock | 16,6 |
| Stock Option | \$ 26.21 | 12/17/2010 | | A(1) | 21,704 | | 03/02/2012 | 03/02/2020 | Common stock | 21,7 |
| Stock Option | \$ 34.13 | 12/17/2010 | | D(1) | | 16,667 | 03/02/2013 | 03/02/2020 | Common stock | 16,6 |
| Stock option | \$ 26.21 | 12/17/2010 | | A(1) | 21,705 | | 03/02/2013 | 03/02/2020 | Common stock | 21,7 |
| Stock option | \$ 34.13 | 12/17/2010 | | D(1) | | 16,667 | 03/02/2014 | 03/02/2020 | Common stock | 16,6 |
| Stock option | \$ 26.21 | 12/17/2010 | | A(1) | 21,705 | | 03/02/2014 | 03/02/2020 | Common stock | 21,7 |
| Stock option | \$ 38.06 | 12/17/2010 | | D(1) | | 21,057 | 04/01/2011 | 04/01/2020 | Common stock | 21,0 |
| Stock option | \$ 29.23 | 12/17/2010 | | A(1) | 27,425 | | 04/01/2011 | 04/01/2020 | Common stock | 27,4 |
| Stock option | \$ 38.06 | 12/17/2010 | | D(1) | | 21,057 | 04/01/2012 | 04/01/2020 | Common stock | 21,0 |
| Stock option | \$ 29.23 | 12/17/2010 | | A(1) | 27,425 | | 04/01/2012 | 04/01/2020 | Common stock | 27,4 |
| Stock option | \$ 38.06 | 12/17/2010 | | D <u>(1)</u> | | 21,058 | 04/01/2013 | 04/01/2020 | Common stock | 21,0 |
| Stock option | \$ 29.23 | 12/17/2010 | | A(1) | 27,425 | | 04/01/2013 | 04/01/2020 | Common stock | 27,4 |

Reporting Owners

| Reporting Owner Name / Address | Relationships | | | | | | |
|--------------------------------|---------------|-----------|---------|-------|--|--|--|
| | Director | 10% Owner | Officer | Other | | | |

Mangas Thomas B C/O ARMSTRONG WORLD INDUSTRIES, INC. 2500 COLUMBIA AVENUE LANCASTER, PA 17603

Senior VP & CFO

Reporting Owners 2

Signatures

/s/ Jeffrey D. Nickel, attorney-in-fact

12/21/2010

**Signature of Reporting Person

Date

Explanation of Responses:

- * If the form is filed by more than one reporting person, see Instruction 4(b)(v).
- ** Intentional misstatements or omissions of facts constitute Federal Criminal Violations. See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).
- (1) The reported transactions involved an amendment of outstanding options due to the recapitalization of the Company, resulting in the deemed cancellation of the "old" options and the grant of replacement options.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.

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