Kane Thomas Michael Form 4 August 24, 2011

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB

OMB APPROVAL

Number:

3235-0287 January 31,

Expires: Estimated average

2005

0.5

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obligations may continue. See Instruction

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

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * Kane Thomas Michael

2. Issuer Name and Ticker or Trading Symbol

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

(Last)

(City)

Stock

(First) (Middle)

(Zip)

INDUSTRIES INC [AWI] 3. Date of Earliest Transaction

ARMSTRONG WORLD

Director 10% Owner

(Month/Day/Year) 08/23/2011

X_ Officer (give title Other (specify below)

Sr. VP-HR & Compliance Officer

C/O ARMSTRONG WORLD INDUSTRIES, INC., 2500 **COLUMBIA AVENUE**

> (Street) 4. If Amendment, Date Original

6. Individual or Joint/Group Filing(Check Applicable Line)

Filed(Month/Day/Year)

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

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

36.76

LANCASTER, PA 17603

(State)

| | | | | | | - | ´ • | | · · |
|--------------------------------------|--------------------------------------|------------------|------------|---------|-----|---------------------------|--|----------------------------------|------------------------|
| 1.Title of Security (Instr. 3) | 2. Transaction Date (Month/Day/Year) | any | | | | cquired d of (D) 5) | 5. Amount of Securities Beneficially | 6. Ownership Form: Direct (D) or | Indirect Beneficial |
| | | (Month/Day/Year) | (Instr. 8) | | | | Owned Following | Indirect (I) (Instr. 4) | Ownership (Instr. 4) |
| | | | | | (A) | | Reported | , | , |
| | | | Code V | Amount | or | Price | Transaction(s) (Instr. 3 and 4) | | |
| Common | | | | | (D) | | | _ | |
| Stock | 08/23/2011 | | M | 1,382 | A | \$ 0 | 1,382 | D | |
| Common | 08/23/2011 | | F | 423 (1) | D | \$ | 959 | D | |

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

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

| 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. Transacti Code (Instr. 8) | Transaction Derivative Code Securities | | 6. Date Exercisable and Expiration Date (Month/Day/Year) | | 7. Title and Amount of Underlying Securities (Instr. 3 and 4) | |
|---|---|---|---|---------------------------------------|--|--------------|--|--------------------|---|--|
| | | | | Code V | (A) | (D) | Date Exercisable | Expiration Date | Title | Amount or Number of Shares |
| Restricted stock units | (2) | 08/23/2011 | | M | | 1,382 (3) | 08/23/2011 | 08/23/2011 | Common stock | 1,382 |

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

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

Sr. VP-HR & Compliance Officer

Signatures

/s/ Mary J. Huwaldt, Attorney-in-fact 08/24/2011

**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).
- Represents the number of shares withheld by the issuer to satisfy the reporting person's tax obligations incurred upon the vesting of the (1) restricted stock units granted to the reporting person under the 2006 Long-Term Incentive Plan and as previously disclosed by the reporting person.
- (2) Each restricted stock unit represents the right to receive, following vesting, one share of issuer common stock together with a cash dividend payment proportionate to the vested shares.
- On August 23, 2011, 1,382 restricted stock units granted to the reporting person under the 2006 Long-Term Incentive Plan (as previously disclosed by the reporting person) vested and were settled in an equivalent amount of issuer common stock.

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.

Reporting Owners 2