

Kokas Adam Richard  
 Form 4  
 February 23, 2010

**FORM 4** UNITED STATES SECURITIES AND EXCHANGE COMMISSION  
 Washington, D.C. 20549

OMB APPROVAL  
 OMB Number: 3235-0287  
 Expires: January 31, 2005  
 Estimated average burden hours per response... 0.5

Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

**STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES**

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

(Print or Type Responses)

1. Name and Address of Reporting Person \*  
 Kokas Adam Richard

2. Issuer Name and Ticker or Trading Symbol  
 ATLAS AIR WORLDWIDE HOLDINGS INC [AAWW]

5. Relationship of Reporting Person(s) to Issuer  
 (Check all applicable)

(Last) (First) (Middle)  
 2000 WESTCHESTER AVE.  
 (Street)

3. Date of Earliest Transaction (Month/Day/Year)  
 02/20/2010

\_\_\_\_ Director \_\_\_\_\_ 10% Owner  
 Officer (give title below) \_\_\_\_\_ Other (specify below)  
 SVP, GC & Secty.

PURCHASE, NY 10577

4. If Amendment, Date Original Filed(Month/Day/Year)

6. Individual or Joint/Group Filing(Check Applicable Line)  
 Form filed by One Reporting Person  
 Form filed by More than One Reporting Person

(City) (State) (Zip)

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

| 1. Title of Security (Instr. 3) | 2. Transaction Date (Month/Day/Year) | 2A. Deemed Execution Date, if any (Month/Day/Year) | 3. Transaction Code (Instr. 8) | 4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5) | 5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4) | 6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | 7. Nature of Ownership (Instr. 4) |
|---------------------------------|--------------------------------------|--|--------------------------------|---|---|--|-----------------------------------|
|                                 |                                      |  |                                | (A) or (D)  | Price   |  |                                   |
| Common Stock, \$0.01 par value  | 02/20/2010                           |  | A                              | 5,250   | A \$ 0  | 21,837   | D                                 |
| Common Stock, \$0.01 par value  | 02/20/2010                           |  | F                              | 1,902   | D \$ 40.02  | 19,935   | D                                 |

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

Persons who respond to the collection of information contained in this form are not SEC 1474 (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)

| 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. Transaction Code (Instr. 8) | 5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5) | 6. Date Exercisable and Expiration Date (Month/Day/Year) | 7. Title and Amount of Underlying Securities (Instr. 3 and 4) | 8. Amount or Number of Shares |
|--|--|--------------------------------------|--|--------------------------------|---|--|---|-------------------------------|
| Restricted Stock Units                     | (1)  | 02/20/2010                           |  | M                              | 5,250   | (2) 02/20/2013   | Common Stock  | 5,250                         |

## Reporting Owners

| Reporting Owner Name / Address                                    | Relationships |           |                  |       |
|---|---------------|-----------|------------------|-------|
|   | Director      | 10% Owner | Officer          | Other |
| Kokas Adam Richard<br>2000 WESTCHESTER AVE.<br>PURCHASE, NY 10577 |               |           | SVP, GC & Secty. |       |

## Signatures

/s/ Michael W. Borkowski Michael W. Borkowski, as Attorney-in-Fact 02/23/2010

\_\_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) Upon vesting, the Reporting Person is entitled to receive one share of Common Stock for each restricted stock unit.
- (2) These restricted stock units vested on February 20, 2010 and were automatically converted into an equivalent number of shares of 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.