Barna Michael L Form 4 February 15, 2007

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

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

Check this box

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

SECURITIES

(Print or Type Responses)

1(b).

(Last)

1. Name and Address of Reporting Person * Barna Michael L

2. Issuer Name and Ticker or Trading Symbol

ATLAS AIR WORLDWIDE **HOLDINGS INC [AAWW]**

3. Date of Earliest Transaction

(Month/Day/Year) 02/15/2007

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

Sr. VP & CFO

10% Owner

_ Other (specify

OMB APPROVAL

Estimated average

burden hours per

3235-0287

January 31,

2005

0.5

OMB

Number:

Expires:

response...

C/O ATLAS AIR WORLDWIDE

(First)

(Middle)

HOLDINGS, INC., 2000 WESTCHESTER AVENUE

> (Street) 4. If Amendment, Date Original

Filed(Month/Day/Year)

6. Individual or Joint/Group Filing(Check

Applicable Line)

Director

below)

X_ Officer (give title

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

PURCHASE, NY 10577

| (City) | (State) | Zip) Tabl | e I - Non-D | erivative | Secur | ities Acq | uired, Disposed of | f, or Beneficial | ly Owned |
|--------------------------------------|--------------------------------------|---|--|--|------------------|-------------|--|------------------|---|
| 1.Title of Security (Instr. 3) | 2. Transaction Date (Month/Day/Year) | 2A. Deemed Execution Date, if any (Month/Day/Year) | 3. Transactio Code (Instr. 8) | Transaction(A) or Disposed of (D) Code (Instr. 3, 4 and 5) | | | 5. Amount of 6. Securities Ownership Beneficially Form: Direct Owned (D) or Following Indirect (I) Reported (Instr. 4) | | 7. Nature of Indirect Beneficial Ownership (Instr. 4) |
| | | | Code V | Amount | (A) or (D) | Price | Transaction(s) (Instr. 3 and 4) | (IIISU: +) | |
| Common Stock, \$.01 par value | 02/15/2007 | | M(1) | 400 | A | \$ 26.75 | 25,800 | D | |
| Common Stock, \$.01 par value | 02/15/2007 | | S(1) | 400 | A | \$ 50.33 | 25,400 | D | |
| Common Stock, \$.01 par value | 02/15/2007 | | S <u>(1)</u> | 150 | A | \$ 50.33 | 25,250 | D | |

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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 required to respond unless the form displays a currently valid OMB control number.

SEC 1474 (9-02)

> 8. I Der Sec (Ins

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) | (Month/Day/Year) Execution Date, if Transactionof any Code Deriv (Month/Day/Year) (Instr. 8) Secur Acqu (A) o Disport of (D | | 5. Number opf Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, | Expiration Date erivative (Month/Day/Year) curities equired c) or sposed (D) | | | 7. Title and Amount of Underlying Securities (Instr. 3 and 4) | |
|---|---|--------------------------------------|---|--------|---|--|--------------------|-----------------|---|--|
| | | | | Code V | and 5) | Date Exercisable | Expiration Date | Title | Amount or Number of Shares | |
| Employee Stock Option (right to buy) | \$ 26.75 | 02/15/2007 | | M | 400 | (2) | 04/12/2015 | Common Stock | 400 | |

Reporting Owners

Reporting Owner Name / Address

Relationships

Director 10% Owner Officer Other

Barna Michael L C/O ATLAS AIR WORLDWIDE HOLDINGS, INC. 2000 WESTCHESTER AVENUE PURCHASE, NY 10577

Sr. VP & CFO

Signatures

Michael W. Borkowski, as Attorney-in-Fact 02/16/2007

**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 option exercise and the sale of shares reported in this Form 4 were effected pursuant to a Rule 10b5-1 trading plan adopted by the reporting person on December 5, 2006.

Reporting Owners 2

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Of the 39,200 shares remaining under option, 9,200 shares are currently exercisable, 10,000 shares vest on April 11, 2007, 10,000 shares vest on April 11, 2008 and 10,000 shares vest on April 11, 2009.

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.