

ATLAS AIR WORLDWIDE HOLDINGS INC
 Form 4
 December 11, 2006

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 *
 Grant Jason

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)

3. Date of Earliest Transaction (Month/Day/Year)
 12/07/2006

____ Director _____ 10% Owner
 Officer (give title below) _____ Other (specify below)
 VP - Continuous Improvement

C/O ATLAS AIR WORLDWIDE HOLDINGS, INC., 2000 WESTCHESTER AVENUE
 (Street)

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

PURCHASE, NY 10577
 (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, \$.01 par value | 12/07/2006 | | M | 1,833 A | \$ 16.7 5,833 | D | |
| Common Stock, \$.01 par value | 12/07/2006 | | M | 4,000 A | \$ 27.5 9,833 | D | |
| Common Stock, \$.01 par value | 12/07/2006 | | S | 1,833 D | \$ 44.2 8,000 | D | |

| | | | | | | | |
|-------------------------------------|------------|---|-------|---|-------------|-------|---|
| Common Stock, \$.01 par value | 12/07/2006 | S | 4,000 | D | \$ 44.18 | 4,000 | D |
| Common Stock, \$.01 par value | 12/07/2006 | S | 622 | D | \$ 44.17 | 3,338 | 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 required to respond unless the form displays a currently valid OMB control number.

SEC 1474
(9-02)

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 |
|---|--|---|---|--------------------------------------|---|--|---|---|
| Employee Stock Option (Right to Buy) | \$ 16.7 | 12/07/2006 | | M | 1,833 | <u>(1)</u> 08/11/2011 | Common Stock | 1,833 |
| Employee Stock Option (Right to Buy) | \$ 27.5 | 12/07/2006 | | M | 4,000 | <u>(2)</u> 03/22/2015 | Common Stock | 4,000 |

Reporting Owners

| Reporting Owner Name / Address | Relationships | | | |
|--|---------------|-----------|-----------------------------|-------|
| | Director | 10% Owner | Officer | Other |
| Grant Jason C/O ATLAS AIR WORLDWIDE HOLDINGS, INC. 2000 WESTCHESTER AVENUE PURCHASE, NY 10577 | | | VP - Continuous Improvement | |

Signatures

Michael W. Borkowski As
Attorney-in-Fact

12/11/2006

__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 remaining 1,834 shares under option vest on July 27, 2007.

(2) Of the 8,000 shares remaining under option, 4,000 shares vest on January 23, 2007 and 4,000 shares vest on January 23, 2008.

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.