

OHara Kevin JP
Form 4/A
January 25, 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 *
OHara Kevin JP

2. Issuer Name and Ticker or Trading Symbol
ARCHIPELAGO HOLDINGS INC
[AX]

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

(Last) (First) (Middle)

100 SOUTH WACKER DRIVE,
SUITE 1800, C/O ARCHIPELAGO
HOLDINGS, INC.

3. Date of Earliest Transaction
(Month/Day/Year)
12/30/2005

____ Director _____ 10% Owner
 Officer (give title below) _____ Other (specify below)
CAO, Gen. Counsel & Secretary

(Street)

CHICAGO, IL 60606

4. If Amendment, Date Original Filed(Month/Day/Year)
01/04/2006

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) |
|---------------------------------|--------------------------------------|--|--------------------------------|---|---|--|-----------------------------------|
| | | | Code | V Amount (D) Price | | | |
| Common Stock | 12/30/2005 | | M | 52,906 A \$ 0 | 52,906 | D | |
| Common Stock | 12/30/2005 | | F | 20,871 D \$ 50 | 32,035 | D | |
| Common Stock | 12/30/2005 | | G | 25,683 (1) D \$ 0 | 6,352 | 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)

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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. 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 | (2) | 12/30/2005 | | M | 52,906 | (2) (2) | Common Stock | 52,906 |

Reporting Owners

Reporting Owner Name / Address

Relationships

Director 10% Owner Officer Other

OHara Kevin JP
100 SOUTH WACKER DRIVE, SUITE 1800
C/O ARCHIPELAGO HOLDINGS, INC.
CHICAGO, IL 60606

CAO, Gen. Counsel & Secretary

Signatures

by Cynthia A. Lance under power of attorney for Kevin J.P. O'Hara

01/25/2006

__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 25,683 shares were contributed to the Kevin J.P. O'Hara Family Foundation, a charitable organization. Mr. O'Hara does not have a pecuniary interest in the Kevin J.P. O'Hara Family Foundation.
- (2) These restricted stock units were granted under the Archipelago Holdings, Inc. 2004 Stock Incentive Plan, were subject to accelerated vesting on December 30, 2005 and were settled for an equal number of shares of the Issuer's 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.