

ARCHIPELAGO HOLDINGS INC  
 Form 4  
 October 04, 2005

**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 \*  
 Chai Nelson

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)

3. Date of Earliest Transaction (Month/Day/Year)  
 09/30/2005

\_\_\_\_ Director \_\_\_\_\_ 10% Owner  
 Officer (give title below) \_\_\_\_\_ Other (specify below)  
 Chief Financial Officer

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

(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

CHICAGO, IL 60606

(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		
				Code	V	Amount	

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

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SEC 1474  
 (9-02)

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

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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. Price or Value of Underlying Securities (Instr. 3 and 4)
Restricted Stock Units <sup>(1)</sup> <sub>(2)</sub>	\$ 0	09/30/2005	09/30/2005	A	2,071 <sub>(3)</sub>	<sup>(4)</sup> <sub>(4)</sub>	Common Stock	<sub>(2)</sub> \$

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
Chai Nelson 100 SOUTH WACKER DRIVE, SUITE 1800 C/O ARCHIPELAGO HOLDINGS, INC. CHICAGO, IL 60606			Chief Financial Officer	

## Signatures

by Cynthia A. Lance under Power of Attorney for Nelson J. Chai

10/04/2005

\_\_ 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) Granted under the Archipelago Holdings, Inc. 2004 Stock Incentive Plan.

(2) Each RSU represents a right to receive one share of the Issuer's Common Stock upon vesting.

The number of RSUs awarded to the Reporting Person was determined by dividing the sum of the total dollar value of compensation granted to the Reporting Person by \$39.85 (the closing price of the issuer's common stock on the Arca Exchange on September 30, 2005) and rounding to the next whole number.

(4) The RSUs are service-based and will vest on in four installments, each occurring on the anniversary of the date of grant (beginning on the first anniversary), in the amount of 10%, 20%, 30% and 40% respectively, subject to the Reporting Person's continued employment with the Company. Generally, unvested units will be cancelled upon the Reporting Person's resignation from or other termination of employment with the Company.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

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