Greene Niall Form 4 May 20, 2011

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB APPROVAL

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

Check this box

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, obligations Section 17(a) of the Public Utility Holding Company Act of 1935 or Section may continue. 30(h) of the Investment Company Act of 1940 See Instruction

(Print or Type Responses)

1. Name and Address of Reporting Person *

Greene Niall

1(b).

2. Issuer Name and Ticker or Trading Symbol

AerCap Holdings N.V. [AER]

(First) (Middle) (Last)

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

05/18/2011

AERCAP HOUSE, STATIONSPLEIN 965

(Street)

4. If Amendment, Date Original

Filed(Month/Day/Year)

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

X_ Director 10% Owner Officer (give title Other (specify below)

6. Individual or Joint/Group Filing(Check Applicable Line)

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

SCHIPHOL AIRPORT, P7 1117CE

(City) (State) (Zip)

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

(A)

or

1.Title of Security (Instr. 3)

2. Transaction Date 2A. Deemed (Month/Day/Year)

Execution Date, if (Month/Day/Year)

3. 4. Securities TransactionAcquired (A) or Code Disposed of (D) (Instr. 8) (Instr. 3, 4 and 5)

5. Amount of Securities Beneficially Owned Following Reported

6. Ownership 7. Nature of Form: Direct Indirect (D) or Indirect Beneficial (I) Ownership (Instr. 4) (Instr. 4)

Transaction(s) (Instr. 3 and 4) Code V Amount (D) Price

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

Persons who respond to the collection of SEC 1474 information contained in this form are not (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 3. Transaction Date 3A. Deemed 5. 6. Date Exercisable and 7. Title and 8. Price of 9. Nu Derivative Conversion (Month/Day/Year) Execution Date, if TransactionNumber **Expiration Date** Amount of Derivative Deriv (Month/Day/Year) Security or Exercise any Code of Underlying Security Secu

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Bene Own Follo Repo Trans (Instr

Shares

(Instr. 3)	Price of Derivative Security	(Month/Day/Year)	(Instr. 8	Secu Acq (A) Disp of (I	Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)			Secur (Instr	ities . 3 and 4)	(Instr. 5)
			Code	V (A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of	

Deletionship

Reporting Owners

Reporting Owner Name / Address	Relationships							
• 5	Director	10% Owner	Officer	Other				
Greene Niall AERCAP HOUSE, STATIONSPLEIN 965 SCHIPHOL AIRPORT, P7 1117CE	X							

Signatures

/s/ Niall Greene 05/18/2011

**Signature of 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).

Remarks:

This Form 4 is being voluntarily filed for the sole purpose of indicating that as of May 18, 2011, the reporting person is no lon 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.

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