

Greene Niall
Form 4
May 20, 2011

FORM 4

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

OMB APPROVAL

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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 *
Greene Niall

(Last) (First) (Middle)

AERCAP HOUSE,
STATIONSPLEIN 965

(Street)

SCHIPHOL AIRPORT, P7 1117CE

(City) (State) (Zip)

2. Issuer Name and Ticker or Trading Symbol
AerCap Holdings N.V. [AER]

3. Date of Earliest Transaction
(Month/Day/Year)
05/18/2011

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

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

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

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

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

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 Beneficial Ownership (Instr. 4) | | |
|---------------------------------|--------------------------------------|----------------------------------------------------|--------------------------------|-------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|----------------------------------------------------------|----------------------------------------------|-----|-------|
| | | | | (A) or (D) | 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 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 | 2. Conversion or Exercise | 3. Transaction Date (Month/Day/Year) | 3A. Deemed Execution Date, if any | 4. Transaction Code | 5. Number of | 6. Date Exercisable and Expiration Date (Month/Day/Year) | 7. Title and Amount of Underlying | 8. Price of Derivative Security | 9. Nu Deriv Secur |
|---------------------------------|---------------------------|--------------------------------------|-----------------------------------|---------------------|--------------|----------------------------------------------------------|-----------------------------------|---------------------------------|-------------------|
|---------------------------------|---------------------------|--------------------------------------|-----------------------------------|---------------------|--------------|----------------------------------------------------------|-----------------------------------|---------------------------------|-------------------|

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| (Instr. 3) | Price of Derivative Security | (Month/Day/Year) | (Instr. 8) | Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5) | Securities (Instr. 3 and 4) | (Instr. 5) | Bene Own Follo Repo Trans (Instr | | | |
|------------|------------------------------------|------------------|------------|-------------------------------------------------------------------------------------------------|--------------------------------|------------|-------------------------------------------------|--------------------|-------|----------------------------------------|
| | | | Code | V | (A) | (D) | Date Exercisable | Expiration Date | Title | Amount or Number of Shares |

Reporting Owners

Reporting Owner Name / Address

Relationships

Director 10% Owner Officer Other

Greene Niall
 AERCAP HOUSE, STATIONSPLEIN 965 X
 SCHIPHOL AIRPORT, P7 1117CE

Signatures

/s/ Niall Greene 05/18/2011

**Signature of Date
 Reporting Person

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 longer a reporting person.

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.