

Rijnveldshoek Peter H
 Form 4
 May 25, 2007

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

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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 *
 Rijnveldshoek Peter H

2. Issuer Name and Ticker or Trading Symbol
 ASHLAND INC. [ASH]

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

(Last) (First) (Middle)
 5200 BLAZER PARKWAY

3. Date of Earliest Transaction (Month/Day/Year)
 05/16/2007

____ Director _____ 10% Owner
 Officer (give title below) _____ Other (specify below)
 Vice President

(Street)
 DUBLIN, OH 43017

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

(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 Reported Transaction(s) (Instr. 3 and 4) | 6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | 7. Nature of Ownership Indirect 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.

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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)

| 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 Derivative Securities | 6. Date Exercisable and Expiration Date (Month/Day/Year) | 7. Title and Amount of Underlying Security (Instr. 3 and 4) |
|---------------------------------|---------------------------|--------------------------------------|-----------------------------------|---------------------|------------------------------------|----------------------------------------------------------|-------------------------------------------------------------|
|---------------------------------|---------------------------|--------------------------------------|-----------------------------------|---------------------|------------------------------------|----------------------------------------------------------|-------------------------------------------------------------|

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| (Instr. 3) | Price of Derivative Security | (Month/Day/Year) | (Instr. 8) | Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5) | Code | V | (A) | (D) | Date Exercisable | Expiration Date | Title | Ar or Nu of Sh |
|------------------------------|------------------------------|------------------|------------|------------------------------------------------------|------|---|-----|-----|------------------|-----------------|--------------|----------------|
| Restricted Stock Equivalents | (1) | 05/16/2007 | A(2) | 5,000 | | | | | 05/16/2011(2) | 05/16/2011(2) | Common Stock | 5 |

Reporting Owners

| Reporting Owner Name / Address | Relationships | | | |
|-------------------------------------------------------------------|---------------|-----------|----------------|-------|
| | Director | 10% Owner | Officer | Other |
| Rijneveldshoek Peter H 5200 BLAZER PARKWAY DUBLIN, OH 43017 | | | Vice President | |

Signatures

David B. Mattingly,
Attorney-in-Fact
Date: 05/25/2007

**Signature of 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).
- (2) Grant of Restricted Stock Equivalents pursuant to a Restricted Stock Equivalent Award Agreement between a foreign subsidiary of Ashland and Mr. Rijneveldshoek, and exempt under Rule 16b-3(d). The Restricted Stock Equivalents will vest four years after date of grant and will be payable in cash. (One (1) Restricted Stock Equivalent in the Restricted Stock Equivalent Award Agreement is the equivalent of one (1) share of Ashland Common Stock.)
- (1) Each Restricted Stock Equivalent represents a right to receive cash in the amount equal to the value of one (1) share of Ashland 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.