ARCHER DANIELS MIDLAND CO

Form 4

December 22, 2004

OMB APPROVAL FORM 4 UNITED STATES SECURITIES AND EXCHANGE COMMISSION OMB 3235-0287 Washington, D.C. 20549 Number: Check this box January 31, Expires: if no longer 2005 STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF subject to Estimated average **SECURITIES** Section 16. burden hours per Form 4 or 0.5 response... Form 5 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 1(b). (Print or Type Responses)

1. Name and Address of Reporting Person * PETERSON BRIAN F			2. Issuer Name and Ticker or Trading Symbol ARCHER DANIELS MIDLAND CO [ADM]	5. Relationship of Reporting Person(s) to Issuer (Check all applicable)			
(Last) 4666 FARIES	(First)	(Middle)	3. Date of Earliest Transaction (Month/Day/Year) 12/21/2004	Director 10% Owner _X_ Officer (give title Other (specify below) Senior Vice President			
	(Street)		4. If Amendment, Date Original Filed(Month/Day/Year)	6. Individual or Joint/Group Filing(Check Applicable Line) _X_ Form filed by One Reporting Person			
DECATUR, IL 62526				Form filed by More than One Reporting Person			

DECATO		Person							
(City)	(State)	(Zip) Tal	ole I - Non-	-Derivative	e Secu	rities Acqui	red, Disposed of,	or Beneficial	lly 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. Securit or Dispos (Instr. 3, 4	ed of (4 and 5 (A) or		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 Indirect Beneficial Ownership (Instr. 4)
Common Stock	12/21/2004		M M	2,050	(D)	\$ 13.6871	110,399	D	
Common Stock	12/21/2004		M	11,944	A	\$ 9.0703	122,343	D	
Common Stock	12/21/2004		M	3	A	\$ 12.5333	122,346	D	
Common Stock	12/21/2004		F	6,271	D	\$ 21.75	116,075	D	
Common Stock							29,738.93 (1)	I	Employee Benefit Plan

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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 (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 orDerivative 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)	
				Code V	(A) ((D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Employee Stock Option (right to buy)	\$ 13.6871	12/21/2004		M	2,	050	(2)	04/17/2007	Common Stock	2,050
Employee Stock Option (right to buy)	\$ 9.0703	12/21/2004		M	11	,944	(3)	05/01/2010	Common Stock	11,944
Employee Stock Option (right to buy)	\$ 12.5333	12/21/2004		M		3	<u>(4)</u>	08/02/2006	Common Stock	3

Reporting Owners

Reporting Owner Name / Address	Relationships
Reput ting Owner Name / Address	

Director 10% Owner Officer Other

PETERSON BRIAN F 4666 FARIES PARKWAY DECATUR, IL 62526

Senior Vice President

Signatures

Stuart E. Funderburg, Attorney-in-Fact for Brian F. Peterson

12/22/2004

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**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) Between November 18, 2004 and December 21, 2004, the reporting person acquired 101.47 shares of ADM common stock pursuant to an employee benefit plan. The information in this report is based on a plan statement dated December 21, 2004.
- (2) The option becomes exercisable in approximately 11.1% increments annually commencing on April 17, 1998.
- The option was granted in three tranches (A, B and C). The option becomes exercisable in eight equal installments commencing on May 1, 2002; provided that the three tranches are exercisable sequentially commencing with Tranche A.
- (4) The options becomes exercisable in 25% increments annually commencing on August 2, 2002.

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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