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

SCHEDULE 13G

Under the Securities Exchange Act of 1934 (Amendment No. 1)*

	OIL-DRI CORPORATION OF AMERICA
(Na	me of Issuer)
	Common Stock
(Title of C	lass of Securities)
	677864100
(cus	IP Number) December 31, 2009
	Requires Filing of this Statement)
Check the appropriate box to designa Schedule is filed:	te the rule pursuant to which this
[X] Rule 13d-1(b)	
[_] Rule 13d-1(c)	
[_] Rule 13d-1(d)	
initial filing on this form with re	all be filled out for a reporting person's spect to the subject class of securities, ntaining information which would alter cover page.
deemed to be "filed" for the purpose Act of 1934 ("Act") or otherwise sub of the Act but shall be subject to a see the Notes).	inder of this cover page shall not be of Section 18 of the Securities Exchange ject to the liabilities of that section ll other provisions of the Act (however,
CUSIP NO. 677864100	13G Page 2 of 8 Page
(1) NAMES OF REPORTING PERSONS.	ABOVE PERSONS (entities only).
Renaissance Technologies LLC	26-0385758
(a) [_] (b) [_]	MEMBER OF A GROUP (SEE INSTRUCTIONS):
(3) SEC USE ONLY	
(4) CITIZENSHIP OR PLACE OF ORGANIZA	TION
Delaware	
	(5) SOLE VOTING POWER
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH:	285,425
	(6) SHARED VOTING POWER
	0
	(7) SOLE DISPOSITIVE POWER
	206 641
	286,641

	1,084
(9) AGGREGATE AMOUNT BENEFICIALLY OWNED BY EA	ACH REPORTING PERSON
287,725	
10) CHECK BOX IF THE AGGREGATE AMOUNT IN ROW	(9) EXCLUDES CERTAIN SHARES
(SEE INSTRUCTIONS)	[_]
11) PERCENT OF CLASS REPRESENTED BY AMOUNT	IN ROW (9)
5.54%	
12) TYPE OF REPORTING PERSON (SEE INSTRUCTION IA	
Page 2 of 8 p	
CUSIP NO. 677864100 13G	Page 3 of 8 Pag
(1) NAMES OF REPORTING PERSONS. I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS.	SONS (ENTITIES ONLY).
James H. Simons	
2) CHECK THE APPROPRIATE BOX IF A MEMBER OF (a) [_] (b) [_]	A GROUP (SEE INSTRUCTIONS)
3) SEC USE ONLY	
4) CITIZENSHIP OR PLACE OF ORGANIZATION	
United States	
	(5) SOLE VOTING POWER
NUMBER OF SHARES	285, 425
BENEFICIALLY OWNED BY EACH REPORTING	·
PERSON WITH:	(6) SHARED VOTING POWER
	0
	(7) SOLE DISPOSITIVE POWER
	286,641
	(8) SHARED DISPOSITIVE POWER
	1,084
9) AGGREGATE AMOUNT BENEFICIALLY OWNED BY EA	ACH DEDODTING DEDOON
	ACH REPORTING PERSON
287,725	-,
(SEE INSTRUCTIONS) [_]	(9) EXCLUDES CERTAIN SHARES
11) PERCENT OF CLASS REPRESENTED BY AMOUNT	IN ROW (9)
5.54 %	
(12) TYPE OF REPORTING PERSON (SEE INSTRUCTION IN	NS)
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CUSIP NO. 677864100 13G	Page 4 of 8 Pages

(8) SHARED DISPOSITIVE POWER

Item 1. (a) Name of Issuer OIL-DRI CORPORATION OF AMERICA (b) Address of Issuer's Principal Executive Offices. 410 North Michigan Avenue, Suite 400, Chicago, Illinois 60611-4213 Item 2. (a) Name of Person Filing: This Schedule 13G is being filed by Renaissance Technologies LLC ("RTC") and James H. Simons ("Simons"). (b) Address of Principal Business Office or, if none, Residence. The principal business address of the reporting persons is: 800 Third Avenue New York, New York 10022 (c) Citizenship. Dr. Simons is a United States citizen and RTC is a Delaware limited liability company. (d) Title of Class of Securities. Common Stock (e) CUSIP Number. 677864100 Page 4 of 8 pages Item 3. If this statement is filed pursuant to Rule 13d-1(b) or 13-d-2(b) or (c), check whether the person filing is a: Broker or dealer registered under section 15 of the Act. (a) [_] Bank as defined in section 3(a)(6) of the Act. (b) [_] (c) [_] Insurance Company as defined in section 3(a)(19) of the Act. Investment Company registered under section 8 of the Investment (d) [_] Company Act. Investment Adviser in accordance with Sec.240.13d-1(b)(1)(ii)(E). (e) [x] Employee Benefit Plan or Endowment Fund in accordance with (f) [_] Sec. 240.13d-1(b)(1)(ii)(F). Parent holding company, in accordance with Sec.240.13d-1(b)(1)(ii)(G). (g) $[_{-}]$ (h) [_] A savings associations as defined in Section 3(b) of the Federal Deposit Insurance Act. A church plan that is excluded from the definition of an investment (i) [_] company under section 3(c)(14) of the Investment Company Act of 1940. Group, in accordance with Sec.240.13d-1(b)(1)(ii)(J). (j) [_] Item 4. Ownership. (a) Amount beneficially owned. RTC: 287,725 shares Simons: 287,725 shares, comprising the shares beneficially owned by RTC, because of Dr. Simons' position as control person of RTC. (b) Percent of Class. RTC: 5.54 % Simons: 5.54 % (c) Number of shares as to which the person has: (i) sole power to vote or to direct the vote: RTC: 285,425 Simons: 285,425 (ii) Shared power to vote or to direct the vote: 0

(iii) sole power to dispose or to direct the disposition of:

RTC: 286,641 Simons: 286,641

(iv) Shared power to dispose or to direct the disposition of:

RTC: 1,084 Simons: 1,084

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Item 5. Ownership of Five Percent or Less of a Class.

If this statement is being filed to report the fact that as of the date hereof the reporting person has ceased to be the beneficial owner of more than five percent of the class of securities, check the following: [_]

Item 6. Ownership of More than Five Percent on Behalf of Another Person.

Certain funds and accounts managed by RTC have the right to receive dividends and proceeds from the sale of the securities which are the subject of this report.

Item 7. Identification and Classification of the Subsidiary Which Acquired the Security Being Reported on by the Parent Holding Company.

Not applicable

Item 8. Identification and Classification of Members of the Group.

Not applicable

Item 9. Notice of Dissolution of a Group.

Not applicable

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Item 10. Certification

By signing below I certify that, to the best of my knowledge and belief, the securities referred to above were acquired and are held in the ordinary course of business and not acquired and are not held for the purpose of or with the effect of changing or influencing the control of the issuer of the securities and were not acquired and are not held in connection with or as a participant in any transaction having that purpose or effect.

SIGNATURE

After reasonable inquiry and to the best of my knowledge and belief, I certify that the information set forth in this statement is true, complete and correct.

Date: February 12, 2010

James H. Simons

Renaissance Technologies LLC

By: Mark Silber Executive Vice President

Attention: Intentional misstatements or omissions of fact constitute Federal criminal violations (See 18 U.S.C. 1001).

EXHIBIT 99.1

AGREEMENT REGARDING JOINT FILING

UNDER RULE 13D-1(K) OF THE EXCHANGE ACT

In accordance with Rule 13d-1(k) under the Securities Exchange Act of 1934, as amended, each of the undersigned agrees to the filing on behalf of each of a Statement on Schedule 13G, and all amendments thereto, with respect to the shares of Common Stock of OIL-DRI CORPORATION OF AMERICA.

Date: February 12, 2010

James H. Simons

Renaissance Technologies LLC

By: Mark Silber

Executive Vice President

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