Pioneer Diversified High Income Trust Form 3 September 24, 2010 UNITED STATES SECURITIES AND EXCHANGE COMMISSION OMB APPROVAL FORM 3 Washington, D.C. 20549 OMB

## **INITIAL STATEMENT OF 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 <u>*</u> PIONEER INVESTMENT MANAGEMENT INC			2. Date of Event Requiring Statement (Month/Day/Year) 05/24/2007	3. Issuer Name <b>and</b> Ticker or Trading Symbol Pioneer Diversified High Income Trust [HNW]					
(Last) 60 STATE FLOOR	(First) STREET,Â	(Middle)	4. Relationship of Reporting Person(s) to Issuer (Check all applicable)			5. If Amendment, Date Original Filed(Month/Day/Year)			
BOSTON,	(Street) MA 021	109		Director Officer (give title below		<ul> <li>6. Individual or Joint/Group</li> <li>Filing(Check Applicable Line)</li> <li>_X_ Form filed by One Reporting</li> <li>Person</li> <li> Form filed by More than One</li> <li>Reporting Person</li> </ul>			
(City)	(State)	(Zip)	Table I - N	Table I - Non-Derivative Securities Beneficially Owned					
1.Title of Sect (Instr. 4)	urity		2. Amount o Beneficially (Instr. 4)		Ownership Ow	lature of Indirect Beneficial nership tr. 5)			
Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.       SEC 1473 (7-02)         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 1473 (7-02)									
Table II - Derivative Securities Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)									

1. Title of Derivative Security (Instr. 4)	2. Date Exercisable and Expiration Date (Month/Day/Year)		3. Title and Amount of Securities Underlying Derivative Security (Instr. 4)		4. Conversion or Exercise Price of	5. Ownership Form of Derivative	6. Nature of Indirect Beneficial Ownership (Instr. 5)
	Date Exercisable	Expiration Date	Title	Amount or Number of	Derivative Security	Security: Direct (D)	

3235-0104

January 31,

2005

0.5

Number:

Expires:

response...

Estimated average burden hours per

Shares or Indirect (I) (Instr. 5)

## **Reporting Owners**

Reporting Owner Name / Address	Relationships						
	Director	10% Owner	Officer	Other			
PIONEER INVESTMENT MANAGEMENT INC 60 STATE STREET 13TH FLOOR BOSTON, MA 02109	Â	Â	Â	Investment Adviser			
Signatures							
Jean M. Bradley - Chief Compliance 09 Officer 09	9/24/2010						
**Signature of Reporting Person	Date						
Explanation of Responses:							
No securities are boneficially owned							

## No securities are beneficially owned

- \* If the form is filed by more than one reporting person, *see* Instruction 5(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).

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.