Wheeler Lo Form 5	orence D	-	-								
January 31,								OMB AP	PROVAL		
FORN Check th no longe		S SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549				MISSION	OMB Number: Expires:	3235-0362 January 31,			
to Section Form 4 of 5 obligat may con See Instr		TATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES					Expired: 2005 Estimated average burden hours per response 1.0				
1(b).	Filed pu ^{Holdings} Section 17 1	rsuant to Section (a) of the Public 30(h) of the	Utility Hold	ing Compan	y Act	of 1935					
1. Name and Wheeler L	Address of Reporting orence D	Symbol Madis	2. Issuer Name and Ticker or Trading Symbol Madison Strategic Sector Premium Fund [MSP]				5. Relationship of Reporting Person(s) to Issuer (Check all applicable)				
(Last)	(Mo			(Month/Day/Year)			XDirector10% Owner Officer (give titleOther (specify below) below)				
550 SCIEN	ICE DRIVE	12/31/	2010								
		Filed(Month/Day/Year)					oint/Group Reporting				
MADISON (City)	N, WI 53711 (State)	(Zip) Ta		• • • •		F Person		ore than One Rep	porting		
	· · ·	- 10		erivative Secur		- '					
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 A or Disposed of (Instr. 3, 4 an Amount	of (D)	Price \$	5. Amount of Securities Beneficially Owned at end of Issuer's Fiscal Year (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)		
Common stock	12/31/2010 <u>(1)</u>	Â	Р	1,646.669 (1)	А	(1) (1)	4,242.296	D	Â		

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 2270 (9-02)

 Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned

 (e.g., puts, calls, warrants, options, convertible securities)

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1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	4. Transaction Code (Instr. 8)	5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)		ate	Secur	unt of rlying	8. Price of Derivative Security (Instr. 5)	
				(A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares		

Reporting Owners

Reporting Owner Name / Address	Relationships						
	Director	10% Owner	Officer	Other			
Wheeler Lorence D 550 SCIENCE DRIVE MADISON, WI 53711	ÂX	Â	Â	Â			
Signatures							
Lorence Wheeler by Richard Mason POA		01/31	/2011				
**Signature of Reporting Person		D	ate				

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) Shares acquired periodically through issuer's publicly disclosed dividend reinvestment plan.

Note: File three copies of this Form, one of which must be manually signed. If space provided 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.