Rockwood Holdings, Inc. Form SC 13G February 12, 2010

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

SCHEDULE 13G

Under the Securities Exchange Act of 1934

(Amendment No.\_) \*

ROCKWOOD HOLDINGS INC

(Name of Issuer)

Common Stock

(Title of Class of Securities)

774415103

(CUSIP Number)

December 31, 2009

(Date Of Event which Requires Filing of this Statement)

Check the appropriate box to designate the rule pursuant to which this Schedule is filed:

- [x] Rule 13d-1(b)
- [ ] Rule 13d-1(c)
- [ ] Rule 13d-1(d)
- \* The remainder of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which would alter the disclosures provided in a prior cover page.

The information required in the remainder of this cover page shall not be deemed to be "filed" for the purpose of Section 18 of the Securities Exchange Act of 1934 ("Act") or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act (however, see the Notes).

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 1745 (3-06)

CUSIP No.7	74415103		13G		Page 2 of 8 Pages
I.R			OF ABOVE PERSON:	:	
	gan StanleyS. #36-3145	972			
2. CHE	CK THE APPRO	PRIATE BOX	IF A MEMBER OF A	A GROUP:	
(a)	[ ]				
(b)	[ ]				
3. SEC	USE ONLY:				
4. CIT	IZENSHIP OR	PLACE OF O	 RGANIZATION:		
The	state of or	ganization	is Delaware.		
NUMBER SHARE	S	SOLE VOTIN 6,837,814	NG POWER:		
EACH	BY 6.	SHARED VO	FING POWER:		
REPORTI PERSO WITH	N 7.	SOLE DISPO			
	8.	SHARED DIS	SPOSITIVE POWER:		
	REGATE AMOUN	Γ BENEFICIA	ALLY OWNED BY EAC	CH REPORTING P	ERSON:
10. CHE	CK BOX IF TH	E AGGREGATI	E AMOUNT IN ROW	(9) EXCLUDES C	ERTAIN SHARES:
[ ]					
11. PER 9.5		S REPRESEN	IED BY AMOUNT IN	ROW (9):	
	E OF REPORTI				
CUSIP No.7	74415103		13G		Page 3 of 8 Pages

1. NAME OF REPORTING PERSON:
 I.R.S. IDENTIFICATION NO. OF ABOVE PERSON:

	_		ey Investment Management Inc. 8040307	
2.	CHECK '	THE API	PROPRIATE BOX IF A MEMBER OF A GROUP:	
	(a) [	]		
	(b) [	]		
3.	SEC US	E ONLY		
4.			OR PLACE OF ORGANIZATION:  organization is Delaware.	
S	BER OF	 5	SOLE VOTING POWER: 5,131,745	
BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH:			SHARED VOTING POWER:	
		7	7. SOLE DISPOSITIVE POWER: 5,324,763	
		8	SHARED DISPOSITIVE POWER:	
9.	AGGREG		OUNT BENEFICIALLY OWNED BY EACH REPORTING PERS	ON:
10.	CHECK 1	BOX IF	THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERI	AIN SHARES:
11.	PERCEN' 7.2%	T OF C	ASS REPRESENTED BY AMOUNT IN ROW (9):	
12.	TYPE O		RTING PERSON:	
CUSIP	No.7744	15103 	13G Pa	ge 4 of 8 Pages
Item 1	. (	a) Na	ame of Issuer:	
		R	OCKWOOD HOLDINGS INC	
	(1	b) A	ddress of Issuer's Principal Executive Offices	:
			00 OVERLOOK CENTER RINCETON NJ 08540	
Item 2	. (	a) Na	ame of Person Filing:	
			) Morgan Stanley  Norgan Stanley Investment Management Inc.	

	(b)	Add	dress of Principal Business Office, or if	None, Residence:			
			1585 Broadway New York, NY 10036 522 Fifth Avenue New York, NY 10036				
	(c)	Cit	zizenship:				
			The state of organization is Delaware. The state of organization is Delaware.				
(d)			Title of Class of Securities:				
		Common Stock					
	(e)	CUS	CUSIP Number:				
7			774415103				
			statement is filed pursuant to Sections 24 2(b) or (c), check whether the person fili				
	(a) [	]	Broker or dealer registered under Section (15 U.S.C. $780$ ).	15 of the Act			
	(b) [	]	Bank as defined in Section $3(a)(6)$ of the (15 U.S.C. 78c).	Act			
	(c) [	]	Insurance company as defined in Section 3 $(15 \text{ U.S.C. } 78c)$ .	(a)(19) of the Act			
	(d) [	]	Investment company registered under Secti Investment Company Act of 1940 (15 U.S.C.				
	(e) [:	x]	An investment adviser in accordance with 240.13d-1(b)(1)(ii)(E); Morgan Stanley Investment Management Inc.	Section			
	(f) [	]	An employee benefit plan or endowment funwith Section 240.13d-1(b)(1)(ii)(F);	d in accordance			
	<pre>(g) [x] A parent holding company or control person in accordar     with Section 240.13d-1(b)(1)(ii)(G);     Morgan Stanley</pre>		n in accordance				
	(h) [	]	A savings association as defined in Secti- Federal Deposit Insurance Act (12 U.S.C.				
	(i) [	]	A church plan that is excluded from the dinvestment company under Section 3(c)(14) Investment Company Act of 1940 (15 U.S.C.	of the			
	(j) [	]	Group, in accordance with Section 13d-1(b	)(1)(ii)(J).			
CUSIP No.7744	41510	3	13-G	Page 5 of 8 Pages			

- Item 4. Ownership as of December 31, 2009.\*
  - (a) Amount beneficially owned: See the response(s) to Item 9 on the attached cover page(s).
  - (b) Percent of Class:
    See the response(s) to Item 11 on the attached cover page(s).
  - (c) Number of shares as to which such person has:
    - (i) Sole power to vote or to direct the vote: See the response(s) to Item 5 on the attached cover page(s).
    - (ii) Shared power to vote or to direct the vote: See the response(s) to Item 6 on the attached cover page(s).
    - (iii) Sole power to dispose or to direct the disposition of:
       See the response(s) to Item 7 on the attached cover page(s).
    - (iv) Shared power to dispose or to direct the disposition of: See the response(s) to Item 8 on the attached cover page(s).
- Item 5. Ownership of Five Percent or Less of a Class.

Not Applicable

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

Not Applicable

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

See Exhibit 99.2

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

Not Applicable

Item 9. Notice of Dissolution of Group.

Not Applicable

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 were 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.

\* In Accordance with the Securities and Exchange Commission Release No. 34-39538 (January 12, 1998) (the "Release"), this filing reflects the securities beneficially owned, or that may be deemed to be beneficially owned, by certain operating units (collectively, the "MS Reporting Units") of Morgan Stanley and its subsidiaries and affiliates (collectively, "MS"). This filing does not reflect securities, if any, beneficially owned by any operating units of MS whose ownership of securities is disaggregated from that of the MS Reporting Units in accordance with the Release.

CUSIP No.77	4415103	13-G	Page 6 of 8 Pages		
		Signature.			
			edge and belief, I certify true, complete and correct.		
Date:	February 12, 2010				
Signature:	/s/ Ingrid M. Keag				
Name/Title:	ame/Title: Ingrid M. Keag/Authorized Signatory, Morgan Stanley  MORGAN STANLEY				
Date:	February 12, 20	10			
Signature:	/s/ Mary Ann Picciotto				
Name/Title:	Mary Ann Piccio	tto/Chief Compliance Offi Investment Managemen			
	MORGAN STANLEY	INVESTMENT MANAGEMENT INC	·		
EXHIBIT NO.		EXHIBITS	PAGE		
99.1		Joint Filing Agreement	7		
99.2		Item 7 Information	8		
	n. Intentional m olations (see 18		of fact constitute federal		
CUSIP No.77	4415103	13-G	Page 7 of 8 Pages		
	EXHI	BIT NO. 99.1 TO SCHEDULE JOINT FILING AGREEMENT	13G		
		February 12, 2010			

MORGAN STANLEY and MORGAN STANLEY INVESTMENT MANAGEMENT INC.,

hereby agree that, unless differentiated, this Schedule 13G is filed on behalf of each of the parties.

MORGAN STANLEY

BY: /s/ Ingrid M. Keag

Ingrid M. Keag/Authorized Signatory, Morgan Stanley

MORGAN STANLEY INVESTMENT MANAGEMENT INC.

BY: /s/ Mary Ann Picciotto

\_\_\_\_\_\_

Mary Ann Picciotto/Chief Compliance Officer, Morgan Stanley Investment Management Inc.

\* Attention. Intentional misstatements or omissions of fact constitute federal criminal violations (see 18 U.S.C. 1001).

CUSIP No.774415103

13-G \_\_\_\_\_\_

Page 8 of 8 Pages

EXHIBIT NO. 99.2

ITEM 7 INFORMATION

The securities being reported on by Morgan Stanley as a parent holding company are owned, or may be deemed to be beneficially owned, by Morgan Stanley Investment Management Inc., an investment adviser in accordance with Rule 13d-1(b)(1)(ii)(E) as amended. Morgan Stanley Investment Management Inc. is a wholly-owned subsidiary of Morgan Stanley.