Rockwood Holdings, Inc.

Form 3 May 18, 2007

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

OMB APPROVAL

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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 *

Masters J Kent

(Last)

CENTER

(First)

C/O ROCKWOOD HOLDINGS.

INC., 100 OVERLOOK

(Middle)

Statement

(Month/Day/Year)

05/16/2007

2. Date of Event Requiring 3. Issuer Name and Ticker or Trading Symbol

Rockwood Holdings, Inc. [ROC]

4. Relationship of Reporting Person(s) to Issuer

Filed(Month/Day/Year)

(Check all applicable)

(Street)

10% Owner _X_ Director Officer Other (give title below) (specify below)

6. Individual or Joint/Group Filing(Check Applicable Line) _X_ Form filed by One Reporting

5. If Amendment, Date Original

Person

Form filed by More than One

Reporting Person

4. Nature of Indirect Beneficial

PRINCETON. NJÂ 08540

(City) (State)

1. Title of Security (Instr. 4)

(Zip)

Table I - Non-Derivative Securities Beneficially Owned

2. Amount of Securities Beneficially Owned

(Instr. 4)

3. Ownership Form:

Ownership (Instr. 5)

Â

Direct (D) or Indirect (I) (Instr. 5)

Common Stock, par value \$0.01 per share

0

D

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.

Table II - Derivative Securities Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

1. Title of Derivative Security (Instr. 4)

Expiration Date (Month/Day/Year)

2. Date Exercisable and 3. Title and Amount of Securities Underlying Derivative Security (Instr. 4)

4. 5. Conversion or Exercise

6. Nature of Indirect Ownership Beneficial Ownership Form of (Instr. 5)

Price of Derivative Derivative Security:

1

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Date Expiration Title Exercisable Date

Amount or Security Number of

Shares

Direct (D) or Indirect (I)

(Instr. 5)

Reporting Owners

Reporting Owner Name / Address

Relationships

Director 10% Owner Officer Other

Masters J Kent

C/O ROCKWOOD HOLDINGS, INC. 100 OVERLOOK CENTER PRINCETON, ÂNJÂ 08540

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Signatures

/s/ J. Kent

05/18/2007 Masters

**Signature of Reporting Person Date

Explanation of Responses:

If the form is filed by more than one reporting person, see Instruction 5(b)(v).

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.

Reporting Owners 2

Intentional misstatements or omissions of facts constitute Federal Criminal Violations. See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).