

Xiao Hui  
Form 3  
December 29, 2010

**FORM 3 UNITED STATES SECURITIES AND EXCHANGE COMMISSION**  
**Washington, D.C. 20549**

OMB APPROVAL

OMB Number: 3235-0104  
Expires: January 31, 2015  
Estimated average burden hours per response... 0.5

**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 *         |         | 2. Date of Event Requiring Statement | 3. Issuer Name and Ticker or Trading Symbol                            |  |
| Xiao Hui  |         | (Month/Day/Year)                     | General Moly, Inc [GMO]  |  |
| (Last)  | (First) | (Middle)                             | 4. Relationship of Reporting Person(s) to Issuer                       | 5. If Amendment, Date Original Filed(Month/Day/Year) |
|   |         | 12/20/2010                           |  |  |
| C/O GENERAL MOLY, INC., 1726 COLE BLVD, SUITE 115 |         |                                      | (Check all applicable)   |  |
| (Street)  |         |                                      | <input type="checkbox"/> Director                                      | <input checked="" type="checkbox"/> 10% Owner        |
|   |         |                                      | <input type="checkbox"/> Officer                                       | <input type="checkbox"/> Other                       |
|   |         |                                      | (give title below) (specify below)                                     |  |
| LAKESIDE, CO 80401                                |         |                                      | 6. Individual or Joint/Group Filing(Check Applicable Line)             |  |
| (City)  | (State) | (Zip)                                | <input checked="" type="checkbox"/> Form filed by One Reporting Person |  |
|   |         |                                      | <input type="checkbox"/> Form filed by More than One Reporting Person  |  |

**Table I - Non-Derivative Securities Beneficially Owned**

| 1. Title of Security (Instr. 4) | 2. Amount of Securities Beneficially Owned (Instr. 4) | 3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5) | 4. Nature of Indirect Beneficial Ownership (Instr. 5) |
|---------------------------------|---|--|---|
|---------------------------------|---|--|---|

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

SEC 1473 (7-02)

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**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 Derivative Security | 5. Ownership Form of Derivative Security: Direct (D) | 6. Nature of Indirect Beneficial Ownership (Instr. 5) |
|--|--|---|--|--|---|
|  | Date Exercisable   | Expiration Date   | Title  | Amount or Number of                                  |   |

Shares or Indirect  
(I)  
(Instr. 5)

## Reporting Owners

| Reporting Owner Name / Address  | Relationships |           |         |       |
|---|---------------|-----------|---------|-------|
|   | Director      | 10% Owner | Officer | Other |
| Xiao Hui<br>C/O GENERAL MOLY, INC.<br>1726 COLE BLVD, SUITE 115<br>LAKEWOOD, CO 80401 | ^             | ^ X       | ^       | ^     |

## Signatures

HUI XIAO 12/24/2010

\*\*Signature of  
Reporting Person

Date

## Explanation of Responses:

### 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).

^

### Remarks:

The Reporting Person has voting and investment control over 11,843,341 shares of the Issuer's common

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *See* Instruction 6 for procedure.  
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