## UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

### FORM 6-K

#### REPORT OF FOREIGN PRIVATE ISSUER PURSUANT TO RULE 13a-16 OR 15d-16 UNDER THE SECURITIES EXCHANGE ACT OF 1934

For the month of JUNE, 2012

Commission File Number: 001-32929

### POLYMET MINING CORP.

(Translation of registrant's name into English)

**390 - 3600 Lysander Lane** <u>**Richmond, B.C. Canada V7B 1C3**</u> (Address of principal executive offices)

Indicate by check mark whether the registrant files or will file annual reports under cover Form 20-F or Form 40-F.

[X] Form 20-F [ ] Form 40-F

Indicate by check mark if the registrant is submitting the Form 6-K in paper as permitted by Regulation S-T Rule 101(b)(1): [ ]

Indicate by check mark if the registrant is submitting the Form 6-K in paper as permitted by Regulation S-T Rule 101(b)(7): [ ]

Indicate by check mark whether by furnishing the information contained in this Form, the registrant is also thereby furnishing the information to the Commission pursuant to Rule 12g3-2(b) under the Securities Exchange Act of 1934.

Yes [ ] No [ X ]

If "Yes" is marked, indicate below the file number assigned to the registrant in connection with Rule 12g3-2(b): 82-

#### EXPLANATORY NOTE

This report on Form 6-K and attached exhibit are incorporated by reference into Registration Statement No. 333-161564 and this report on Form 6-K shall be deemed a part of such registration statement from the date on which this report on Form 6-K is filed, to the extent not superseded by documents or reports subsequently filed or furnished by PolyMet Mining Corp. under the Securities Act of 1933, as amended, or the Securities Exchange Act of 1934, as

amended.

### SUBMITTED HEREWITH

**Exhibits** 

99.1 Information Circular

99.2 Form of Proxy

#### **SIGNATURES**

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorized.

### PolyMet Mining Corp.

(Registrant)

Date: June 15, 2012

By: /s/ Joe Scipioni Joe Scipioni Title: President

border-left-width: 1; border-right-width: 1; border-bottom-width: 1">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 Acquired (A) or Disposed of (D)

(Instr. 3, 4 and 5)5. Amount of Securities Beneficially Owned Following Reported Transaction(s)

(Instr. 3 and 4)6. Ownership Form: Direct (D) or Indirect (I)

(Instr. 4)7. Nature of Indirect Beneficial Ownership

(Instr. 4)CodeVAmount(A) or (D)Price Common Stock06/01/2009 S 2,000 D \$ 6.25 4,000 (1) D

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.

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

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

<ol> <li>Title of</li> </ol>	2.	3. Transaction Date	3A. Deemed	4.	5.	6. Date Exer	cisable and	<ol><li>Title and</li></ol>	8. Price of	9. Nu
Derivative	Conversion	(Month/Day/Year)	Execution Date, if	Transactio	onNumber	Expiration D	ate	Amount of	Derivative	Deriv
Security	or Exercise		any	Code	of	(Month/Day	Year)	Underlying	Security	Secu
(Instr. 3)	Price of		(Month/Day/Year)	(Instr. 8)	Derivativ	· · · ·	/	Securities	(Instr. 5)	Bene
(111511: 5)	Derivative		(month/Duj/Tour)	(111541:0)	Securities			(Instr. 3 and 4)	(111541.0)	Owne
								(Insu: 5 and 4)		
	Security				Acquired					Follo
					(A) or					Repo
					Disposed					Trans
					of (D)					(Instr
										(mou
					(Instr. 3,					
					4, and 5)					
								Amount		
						Date	Expiration	or		
							DAphation	Title Number		

Code	V	<b>(Δ)</b>	(D)	Date Exercisable	Expiration Date	Title	or Number of Shares
Code	v	(A)	(D)				Snares

### **Reporting Owners**

**Reporting Owner Name / Address** 

Relationships

Director 10% Owner Officer

Other

Sr Vice Pres of Manufacturing

Nath Prem ASCENT SOLAR TECHNOLOGIES, INC. 8120 SHAFFER PARKWAY LITTLETON, CO 80127

## Signatures

Mark A. von Bergen, as attorney-in-fact for Prem Nath

06/03/2009

\*\*Signature of Reporting Person

Date

# **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).

Dr. Nath also holds the following securities: vested options (or options that will vest within 60 days) to purchase 66,667 shares of common stock that expire on July 31, 2016; vested options to purchase 6,000 shares of common stock that expire on December 3, 2017;

(1) vested options to purchase 25,000 shares of common stock that expire on December 2, 2018; and unvested options to purchase 6,000 shares of common stock that expire on December 3, 2017; and unvested options to purchase 75,000 shares of common stock that expire on December 2, 2018.

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.