Scopa James Paul Form 4 February 06, 2009

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB Number:

3235-0287

Expires:

January 31, 2005

0.5

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response...

if no longer subject to Section 16. Form 4 or Form 5 obligations

may continue.

See Instruction

Check this box

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

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * Scopa James Paul

2. Issuer Name and Ticker or Trading Symbol

5. Relationship of Reporting Person(s) to

Issuer

(Last)

(City)

Common

Stock

(First) (Middle) PEPLIN INC [PLI]

(Check all applicable)

3. Date of Earliest Transaction (Month/Day/Year)

02/05/2009

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

C/O MPM ASSET MANAGEMENT, 601 GATEWAY

(Street)

(State)

02/05/2009

BLVD., SUITE 350

4. If Amendment, Date Original

P

Filed(Month/Day/Year)

6. Individual or Joint/Group Filing(Check

Applicable Line)

X Form filed by One Reporting Person Form filed by More than One Reporting

Person

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

SOUTH SAN FRANCISCO, CA 94080

1.Title of 2. Transaction Date 2A. Deemed Security (Month/Day/Year) Execution Date, if (Instr. 3) (Month/Day/Year)

(Zip)

3. 4. Securities TransactionAcquired (A) or Code Disposed of (D) (Instr. 8) (Instr. 3, 4 and 5) 5. Amount of Securities Beneficially (D) or Owned Indirect (I) Following (Instr. 4) Reported

6. Ownership 7. Nature of Form: Direct Indirect Beneficial Ownership (Instr. 4)

(A) or Code V Amount (D) Price

2,648

(1)(2)

Transaction(s) (Instr. 3 and 4)

See 2,896,009 I Footnote

(3)

SEC 1474

(9-02)

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

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

1. Title of	2.	3. Transaction Date	3A. Deemed	4.	5.	6. Date Exerc	cisable and	7. Titl	e and	8. Price of	9. Nu
Derivative	Conversion	(Month/Day/Year)	Execution Date, if	Transaction	orNumber	Expiration D	ate	Amou	nt of	Derivative	Deriv
Security	or Exercise		any	Code	of	(Month/Day/	Year)	Under	lying	Security	Secui
(Instr. 3)	Price of		(Month/Day/Year)	(Instr. 8)	Derivative	e		Securi	ities	(Instr. 5)	Bene
	Derivative				Securities			(Instr.	3 and 4)		Own
	Security				Acquired						Follo
	•				(A) or						Repo
					Disposed						Trans
					of (D)						(Instr
					(Instr. 3,						
					4, and 5)						
									A		
									Amount		
						Date Exercisable	Expiration Date	Title N	or Namelana		
									Number		
				C 1 W	(A) (D)				of		
				Code V	(A) (D)				Shares		

Reporting Owners

**Signature of Reporting Person

Reporting Owner Name / Address	Relationships						
cosporang o mace i mano, i ama suc	Director	10% Owner	Officer	Other			
Scopa James Paul C/O MPM ASSET MANAGEMENT 601 GATEWAY BLVD., SUITE 350 SOUTH SAN FRANCISCO, CA 94080	X	X					
Signatures							
/s/ James Paul Scopa 02/06/2009							

Explanation of Responses:

If the form is filed by more than one reporting person, see Instruction 4(b)(v).

Date

- Intentional misstatements or omissions of facts constitute Federal Criminal Violations. See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).
- Represents shares of Common Stock underlingy CHESS Depository Interests ("CDIs") acquired by the reporting persons. CDIs are units (1) of beneficial ownership in shares of Common Stock held by CHESS Depositary Nominees Pty Limited, a wholly-owned subsidiary of the Australian Stock Exchange. The CDIs are economically equivalent to shares of Common Stock of the Issuer on a 1-for-20 basis.
 - The Common Stock equivalent of CDIs were purchased as follows: 2,483 by MPM BioVentures IV-QP, L.P. ("BV IV QP"), 95 by MPM BioVentures IV GmbH & Co. Beteiligungs KG ("BV IV KG") and 70 by MPM Asset Management Investors BV4 LLC ("AM BV4").
- Excludes fractional shares that result from the conversion of CDIs. MPM BioVentures IV GP LLC and MPM BioVentures IV LLC are the direct and indirect general partners of BV IV QP, BV IV KG and AM BV4. The reporting person is a member of the general partner of BV IV QP, BV IV KG and a member of AM BV4. The reporting person disclaims beneficial ownership of the securities except to the extent of his pecuniary interest therein.
- Shares of Common Stock, which include shares underlying CDIs are held as follows: 2,714,270 by BV IV QP, 104,563 by BV IV KG (3) and 77,176 by AM BV4. The reporting person disclaims beneficial ownership of the securities except to the extent of his pecuniary interest therein.

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.

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