FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

OMB APPROVAL OMB Number: 3235-0287 Estimated average burden hours per response: 0.5

Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

1. Name and Addre		erson [*]		2. Issuer Name and MONOLITHIC				MS IN		Relationship of Rep Check all applicable)		
	<u>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</u>			[MPWR]						X Director		% Owner
(Last) 6409 GUADAL	(First) UPE MINES RC	(Midd	le)	3. Date of Earliest Tr 08/27/2008	ansaction	(Mor	th/Day/Year)		X Officer (give t below) Chief IC		her (specify low) leer
				4. If Amendment, Da	te of Orig	inal F	iled (Month/F)av/Year		Individual or Joint/G		
(Street)				4. Il Amendment, Da	ite of Olig	iiidi r		ay/real	· I	ne)		
SAN JOSE	CA	9512	20							-	One Reporting	
(City)	(State)	(Zip)								Person	More than One	Reporting
	•	Table I	- Non-Deriva	tive Securities A	cquire	d, D	isposed o	f, or B	enefici	ally Owned		
Date			2. Transaction Date (Month/Day/Yea	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)		4. Securities Acquired (A) Disposed Of (D) (Instr. 3, and 5)			5. Amount of Securities Beneficially Owned	6. Ownership Form: Direct (D) or Indirect (I)	7. Nature of Indirect Beneficial Ownership
					Code	v	Amount	(A) or (D)	Price	Following Reported Transaction(s) (Instr. 3 and 4)	(Instr. 4)	(Instr. 4)
Common Stock			08/27/2008		S ⁽¹⁾		100	D	\$23.51	514,914	I	by Moyer FamilyTrust
Common Stock			08/27/2008		S ⁽¹⁾		200	D	\$23.52	514,714	Ι	by Moyer FamilyTrust
Common Stock			08/27/2008		S ⁽¹⁾		100	D	\$23.53	514,614	I	by Moyer FamilyTrust
Common Stock			08/27/2008		S ⁽¹⁾		300	D	\$23.55	514,314	I	by Moyer FamilyTrust
Common Stock			08/27/2008		S ⁽¹⁾		100	D	\$23.56	5 514,214	I	by Moyer FamilyTrust
Common Stock			08/27/2008		S ⁽¹⁾		100	D	\$23.57	514,114	Ι	by Moyer FamilyTrust
Common Stock			08/27/2008		S ⁽¹⁾		100	D	\$23.59	514,014	I	by Moyer FamilyTrust
Common Stock			08/27/2008		S ⁽¹⁾		200	D	\$23.6	513,814	I	by Moyer FamilyTrust
Common Stock			08/27/2008		S ⁽¹⁾		600	D	\$23.61	513,214	Ι	by Moyer FamilyTrust
Common Stock			08/27/2008		S ⁽¹⁾		400	D	\$23.62	512,814	I	by Moyer FamilyTrust
Common Stock			08/27/2008		S ⁽¹⁾		200	D	\$23.64	512,614	I	by Moyer FamilyTrust
Common Stock			08/27/2008		S ⁽¹⁾		100	D	\$23.67	512,514	Ι	by Moyer FamilyTrust
Common Stock			08/27/2008		S ⁽¹⁾		300	D	\$23.32	512,214	I	by Moyer FamilyTrust
Common Stock										890,569	D	

	Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)														
1. Title of Derivative Security (Instr. 3) 2. 3. Transaction Date (Conversion or Exercise Price of Derivative Security (Instr. 3) Price of Derivative Security 0		3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transaction Code (Instr. 8)		5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)		6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)		8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	Beneficial Ownership	
				Code	v	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares				

Explanation of Responses:

1. In accordance with the reporting person's 10b5-1 trading plan.

By: Adriana Chiocchi For:	
James Moyer	

08/28/2008

** Signature of Reporting Person Date

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

 * 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).

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

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 Number.