FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

OMB APPROVAL									
OMB Number:	3235-0287								
Estimated average burden									
haura nar raananaa:	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 Address of Reporting Person*			2. Issuer Name and				Relationship of Reporting Person(s) to Issuer (Check all applicable)								
Moyer James C			MONOLITHIC MPWR]	POW	<u>/EK</u>	SYSIE			X Director	10)% Owner				
(Last) 6409 GUADAI	(First) LUPE MINES ROA	(Midd	le)	3. Date of Earliest Tr 04/07/2008	ansaction	ı (Mor	nth/Day/Year)]	X Officer (give t below) Chief IC		ther (specify elow) neer		
				4. If Amendment, Da	te of Orig	inal F	Filed (Month/D	6. Individual or Joint/Group Filing (Check Applicable							
(Street) SAN JOSE	CA	20						X Form filed by One Reporting Person							
_									Form filed by More than One Reporting Person						
(City)	(State)	(Zip)													
		able I		tive Securities A		d, D	1			_		1			
1. Title of Security (Instr. 3)			2. Transaction Date (Month/Day/Yea	2A. Deemed Execution Date, r) if any (Month/Day/Year)	3. Transac Code (II 8)		4. Securities Acquired (A) Disposed Of (D) (Instr. 3, 4 and 5)			r	5. Amount of Securities Beneficially Owned Following	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)		
				Code	v	Amount	(A) or (D)	Price		Reported Transaction(s) (Instr. 3 and 4)	((111341. 4)			
Common Stock			04/07/2008	3	S ⁽¹⁾		100	D	\$19.8	31	197,360	I	by Moyer FamilyTrust		
Common Stock			04/07/2008	3	S ⁽¹⁾		38	D	\$19.8	35	197,322	I	by Moyer FamilyTrust		
Common Stock			04/07/2008	3	S ⁽¹⁾		62	D	\$19.8	36	197,260	I	by Moyer FamilyTrust		
Common Stock			04/07/2008	3	S ⁽¹⁾		50	D	\$20)	197,210	I	by Moyer FamilyTrust		
Common Stock			04/07/2008	3	S ⁽¹⁾		300	D	\$20.0	01	196,910	I	by Moyer FamilyTrust		
Common Stock	Ĭ.		04/07/2008	3	S ⁽¹⁾		100	D	\$20.0)6	196,810	I	by Moyer FamilyTrust		
Common Stock			04/07/2008	3	S ⁽¹⁾		100	D	\$20.1	15	196,710	I	by Moyer FamilyTrust		
Common Stock			04/07/2008	3	S ⁽¹⁾		100	D	\$20.1	17	196,610	I	by Moyer FamilyTrust		
Common Stock	:		04/07/2008	3	S ⁽¹⁾		200	D	\$20.2	22	196,410	I	by Moyer FamilyTrust		
Common Stock			04/07/2008	3	S ⁽¹⁾		400	D	\$20.2	23	196,010	I	by Moyer FamilyTrust		
Common Stock	:		04/07/2008	3	S ⁽¹⁾		100	D	\$20.2	24	195,910	I	by Moyer FamilyTrust		
Common Stock	:		04/07/2008	3	S ⁽¹⁾		300	D	\$20.2	28	195,610	I	by Moyer FamilyTrust		
Common Stock			04/07/2008	3	S ⁽¹⁾		400	D	\$20.2	29	195,210	I	by Moyer FamilyTrust		
Common Stock	<u> </u>		04/07/2008	3	S ⁽¹⁾		200	D	\$20.	3	195,010	I	by Moyer FamilyTrust		
Common Stock			04/07/2008		S ⁽¹⁾		300	D	\$20.3	31	194,710	I	by Moyer FamilyTrust		
Common Stock			04/07/2008	3	S ⁽¹⁾		200	D	\$20.3	32	194,510	I	by Moyer FamilyTrust		
Common Stock	:		04/07/2008	3	S ⁽¹⁾		200	D D	\$20. \$20.3	3	195,010 194,710	I	by Moy Family by Moy Family		

			e I - Non-Deriv					•	d, Di	•								
1. Title of Security (Instr. 3) Common Stock		2. Transaction Date (Month/Day/Y	ear) if	(Month/Day/Year)		Tr Co	3. Transaction Code (Instr. 8)		4. Securities Acquir Disposed Of (D) (In and 5)			5. Amount of Securities Beneficially Owned		6. Ownership Form: Direct (D) or Indirect (I)		. Nature of ndirect Beneficial Ownership		
						C	ode	v	Amount	nount (A) or		Following Reported Transaction(s) (Instr. 3 and 4)		(Instr. 4)		(Instr. 4)		
		04/07/200)8				S ⁽¹⁾	S ⁽¹⁾	300	D	\$20.33	194,	210	I		by Moyer FamilyTrus		
Common	Common Stock		04/07/200	1/07/2008				S ⁽¹⁾		200	D	\$20.38	194,010		I		by Moyer FamilyTrust	
Common	mon Stock 04		04/07/200)8				S ⁽¹⁾		300	D	\$20.4	193,710		I		by Moyer FamilyTrust	
Common Stock												890,	569 D)			
Common Stock											518,504		,504	I		By Jointly v/Spouse		
1. Title of 2. 3. Transaction 3A. Deemed Execution Date,		4. Transa Code	e Securities Acc , calls, warrant 5. Numbo of Derivativ Securitie Acquired (A) or Dispose of (D) (Instr. 3, and 5)		nts, nber tive ties red sed	ts, options, er 6. Date Exe Expiration (Month/Day es d		convertib cisable and Date	ole securities		8. Price of Derivative Security (Instr. 5)	9. Numb derivati Securiti Benefic Owned Followi Reporte Transac (Instr. 4	ve (es I ially I ng (ed (tion(s)	10. Ownershi Form: Direct (D) or Indirec (I) (Instr. 4)	Beneficial Ownershi			
				Code	V		(D)	Date Exerc	isable	Expiration Date	Title	Amount or Number of Shares						

Explanation of Responses:

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

James Moyer

04/08/2008

** Signature of Reporting Person Date

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

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.

 $^{^{\}star}$ 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).