

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

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

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

OMB APPROVAL	
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1. Name and Address of Reporting Person* <u>McGill Stephen</u>			2. Issuer Name and Ticker or Trading Symbol <u>ANGIODYNAMICS INC [ANGO]</u>			5. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director 10% Owner X Officer (give title below) Other (specify below) <u>SVP - General Manager</u>		
(Last)	(First)	(Middle)	3. Date of Earliest Transaction (Month/Day/Year) <u>11/02/2009</u>			6. Individual or Joint/Group Filing (Check Applicable Line) X Form filed by One Reporting Person Form filed by More than One Reporting Person		
<u>603 QUEENSBURY AVE.</u>			4. If Amendment, Date of Original Filed (Month/Day/Year)					
(Street)	<u>QUEENSBURY NY 12804</u>							
(City)	(State)	(Zip)						

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

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)
			Code	V	Amount	(A) or (D)	Price			
<u>Common Stock</u>	<u>08/03/2010</u>		<u>A</u>		<u>3,500</u>	<u>A</u>	<u>\$0</u>	<u>3,500</u>	<u>D</u>	

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. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	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)	11. Nature of Indirect Beneficial Ownership (Instr. 4)	
				Code	V	(A)	(D)	Date Exercisable	Expiration Date						Title
<u>Non-Qualified Stock Option (right to buy)</u>	<u>\$15.1</u>	<u>11/02/2009</u>		<u>A</u>		<u>40,000</u>		<u>11/02/2010</u>	<u>11/02/2016</u>	<u>Common Stock</u>	<u>40,000</u>	<u>\$0</u>	<u>40,000</u>	<u>D</u>	
<u>Non-Qualified Stock Option (right to buy)</u>	<u>\$15.75</u>	<u>08/03/2010</u>		<u>A</u>		<u>7,000</u>		<u>08/03/2011⁽¹⁾</u>	<u>08/03/2017</u>	<u>Common Stock</u>	<u>7,000</u>	<u>\$0</u>	<u>7,000</u>	<u>D</u>	
<u>Restricted Stock Units</u>	<u>\$0</u>	<u>11/02/2009</u>		<u>A</u>		<u>10,000</u>		<u>11/02/2010</u>	<u>11/02/2016</u>	<u>Common Stock</u>	<u>10,000</u>	<u>\$0</u>	<u>10,000</u>	<u>D</u>	

Explanation of Responses:

1. Options for 25% of the total number of shares each become exercisable on 8/3/2011, 8/3/2012, 8/3/2013, and 8/3/2014.

Remarks:

The shares of common stock granted to the Reporting Person on 8/3/2010 reported in Table I of this Form 4 reflect the grant of RSUs that vest in 4 equal installments beginning on the first anniversary of the grant date.

By: K. Wayne McDougall For: Stephen McGill 08/26/2010

** 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.