Amrhein Christine B. Form 4

August 10, 2012

FORM 4

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

OMB Number: 3235-0287

Check this box if no longer subject to Section 16.

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

Expires: January 31, 2005

OMB APPROVAL

Form 4 or Form 5 obligations may continue. See Instruction

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

response... 0.5

Estimated average

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1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * Amrhein Christine B.	2. Issuer Name and Ticker or Trading Symbol	5. Relationship of Reporting Person(s) to Issuer		
(Last) (First) (Middle)	ADA-ES INC [ADES] 3. Date of Earliest Transaction	(Check all applicable)		
9135 S. RIDGELINE BLVD., SUITE 200, C/O ADA-ES, INC.	(Month/Day/Year) 08/08/2012	Director 10% OwnerX_ Officer (give title Other (specification) VP and Corporate Counsel		
(Street) HIGHLANDS RANCH, CO 80129	4. If Amendment, Date Original 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		
SUITE 200, C/O ADA-ES, INC. (Street)	4. If Amendment, Date Original	below) VP and Corporate Co 6. Individual or Joint/Group Fit Applicable Line) _X_ Form filed by One Reporting Form filed by More than One I		

(City)	(State)	(Zip) Tabl	e I - Non-D	erivative Se	ecurities Acq	uired, Disposed o	f, or Beneficial	ly Owned
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year) 2A. Deemed Execution Date, if any (Month/Day/Year)		3. 4. Securities Acquired Transaction(A) or Disposed of (D) Code (Instr. 3, 4 and 5) (Instr. 8) (A) or			Securities Fo Beneficially (D Owned Inc	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	
Common Stock	08/08/2012		Code V A	Amount ((D) Price \$ A 21.94 (2)	12,901 (3)	I	By Spouse
Stock						2,666 (4)	D	

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

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SEC 1474

(9-02)

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

9. Nu Deriv Secur Bene Own Follo Repo Trans (Instr

1. Title of	2.	3. Transaction Date	3A. Deemed	4.	5.	6. Date Exerc	cisable and	7. Titl	e and	8. Price of	٥
Derivative	Conversion	(Month/Day/Year)	Execution Date, if	Transacti	onNumber	Expiration Da	ate	Amou	nt of	Derivative	J
Security	or Exercise		any	Code	of	(Month/Day/	Year)	Under	lying	Security	5
(Instr. 3)	Price of		(Month/Day/Year)	(Instr. 8)	Derivative	e		Secur	ities	(Instr. 5)]
	Derivative		•		Securities			(Instr.	3 and 4)		(
	Security				Acquired			`]
	J				(A) or]
					Disposed						-
					of (D)						(
					(Instr. 3,						
					4, and 5)						
					.,						
									Amount		
						Date	Expiration		or		
						Exercisable	Date	Title	Number		
						Lacicisabic	Date		of		
				Code V	(A) (D)				Shares		

Reporting Owners

Reporting Owner Name / Address	Relationships					
reporting of the control of the cont	Director	10% Owner	Officer	Other		
Amrhein Christine B. 9135 S. RIDGELINE BLVD., SUITE 200 C/O ADA-ES, INC. HIGHLANDS RANCH, CO 80129			VP and Corporate Counsel			

Signatures

Christine B.
Amrhein

**Signature of Date

_Signature of Reporting Person

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).
- (1) Shares issued directly to Mr. Amrhein's qualified pension plan.
- (2) Price equals the fair market value of the shares on the date of authorization.
- (3) Of the amount shown, 4,298 shares are held in the qualified pension plan account of Mr. Amrhein and 1,123 shares were issued pursuant to a program under the Company's Equity Incentive Plan, are not fully vested and are subject to certain repurchase rights.
- (4) Of the amount shown, 1,186 shares were issued to Ms. Amrhein pursuant to a program under the Company's Equity Incentive Plan, which are not fully vested and are subject to certain repurchase rights.

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.

Reporting Owners 2