Hayward James A Form 4 October 17, 2018

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB Number:

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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 *

Hayward James A

2. Issuer Name and Ticker or Trading

Symbol

5. Relationship of Reporting Person(s) to Issuer

APPLIED DNA SCIENCES INC

[APDN]

(Last) (First) (Middle)

(Street)

50 HEALTH SCIENCES DRIVE

3. Date of Earliest Transaction

(Month/Day/Year)

Filed(Month/Day/Year)

10/17/2018

4. If Amendment, Date Original

_X__ Director X 10% Owner __Other (specify

(Check all applicable)

X_ Officer (give title below) Chairman, CEO and President

6. Individual or Joint/Group Filing(Check Applicable Line)

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

Person

STONY BROOK, NY 11790

(City) (State) (Zip) 2. Transaction Date 2A. Deemed

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

1.Title of Security (Instr. 3)

(Month/Day/Year)

Execution Date, if

3. Code (Month/Day/Year) (Instr. 8)

4. Securities TransactionAcquired (A) or Disposed of (D) (Instr. 3, 4 and 5)

5. Amount of Securities Beneficially Owned Following

Reported

6. Ownership 7. Nature of Form: Direct Indirect (D) or Indirect Beneficial (I)

Ownership (Instr. 4) (Instr. 4)

(A) Code V Amount (D) Price

Transaction(s) (Instr. 3 and 4)

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 Derivative Conversion Security or Exercise

3. Transaction Date 3A. Deemed (Month/Day/Year)

Execution Date, if any

4. 5. Number of TransactionDerivative Securities Code Acquired (A) or

6. Date Exercisable and **Expiration Date** (Month/Day/Year)

7. Title and A Underlying S (Instr. 3 and 4

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(Instr. 3)	Price of Derivative		(Month/Day/Year)			Disposed of (Instr. 3, 4,				
	Security			Code	V	(A)	(D)	Date Exercisable	Expiration Date	Title
Stock Option (right to buy)	\$ 5.82	10/17/2018		D <u>(1)</u>			833,334	<u>(1)</u>	10/17/2018(1)	Common Stock
Stock Option (right to buy)	\$ 5.82	10/17/2018		A(1)		833,334		10/17/2018	10/17/2023	Common Stock

Reporting Owners

Reporting Owner Name / Address	Relationships						
Toporting of the removal and the	Director	10% Owner	Officer	Other			
Hayward James A 50 HEALTH SCIENCES DRIVE STONY BROOK, NY 11790	X	X	Chairman, CEO and President				

Signatures

/s/ Beth Jantzen, Attorney-in-Fact

**Signature of Reporting Person Date

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).

The two reported transactions involve an amendment of an outstanding option to extend the expiration date of such option from October 17, 2018 to October 17, 2023, resulting in the deemed cancellation of the "old" option and the grant of a replacement option. The option

(1) was originally granted on October 17, 2013 and provided for vesting (i) with respect to 25% of the underlying shares on the anniversary of the original date of grant and (ii) with respect to the remaining underlying shares, ratably each anniversary thereafter until fully vested on the fourth anniversary of the original date of grant.

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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