

Murrah Judith  
 Form 4  
 December 12, 2018

**FORM 4** UNITED STATES SECURITIES AND EXCHANGE COMMISSION  
 Washington, D.C. 20549

OMB APPROVAL

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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 OF SECURITIES**

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

(Print or Type Responses)

1. Name and Address of Reporting Person \*  
 Murrah Judith

2. Issuer Name and Ticker or Trading Symbol  
 APPLIED DNA SCIENCES INC  
 [APDN]

5. Relationship of Reporting Person(s) to Issuer  
 (Check all applicable)

(Last) (First) (Middle)  
 50 HEALTH SCIENCES DRIVE  
 (Street)

3. Date of Earliest Transaction (Month/Day/Year)  
 12/10/2018

\_\_\_\_ Director \_\_\_\_\_ 10% Owner  
 Officer (give title below) \_\_\_\_\_ Other (specify below)  
 Chief Information Officer

STONY BROOK, NY 11790

4. If Amendment, Date Original Filed(Month/Day/Year)

6. Individual or Joint/Group Filing(Check Applicable Line)  
 Form filed by One Reporting Person  
 Form filed by More than One Reporting Person

(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 Reported Transaction(s) (Instr. 3 and 4) | 6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | 7. Nature of Ownership (Instr. 4) |
|---------------------------------|--------------------------------------|--|--------------------------------|---|---|--|-----------------------------------|
|                                 |                                      |  | Code                           | V   | Amount  | (D)  | Price                             |

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

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SEC 1474  
 (9-02)

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

| 1. Title of Derivative Security | 2. Conversion or Exercise | 3. Transaction Date (Month/Day/Year) | 3A. Deemed Execution Date, if any | 4. Transaction Code | 5. Number of Derivative Securities | 6. Date Exercisable and Expiration Date (Month/Day/Year) | 7. Title and Amount of Underlying Security (Instr. 3 and 4) |
|---------------------------------|---------------------------|--------------------------------------|-----------------------------------|---------------------|------------------------------------|--|---|
|---------------------------------|---------------------------|--------------------------------------|-----------------------------------|---------------------|------------------------------------|--|---|

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| (Instr. 3)                  | Price of Derivative Security | (Month/Day/Year) | (Instr. 8)       | Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5) | Code | V | (A) | (D) | Date Exercisable | Expiration Date           | Title        | Amount or Number of Shares |
|-----------------------------|------------------------------|------------------|------------------|--|------|---|-----|-----|------------------|---------------------------|--------------|----------------------------|
| Stock Option (right to buy) | \$ 8.16                      | 12/10/2018       | D <sup>(1)</sup> | 4,167  |      |   |     |     | <u>(1)</u>       | 12/10/2018 <sup>(1)</sup> | Common Stock | 4,167                      |
| Stock Option (right to buy) | \$ 8.16                      | 12/10/2018       | A <sup>(1)</sup> | 4,167  |      |   |     |     | 12/10/2018       | 12/09/2023                | Common Stock | 4,167                      |

## Reporting Owners

| Reporting Owner Name / Address                                     | Relationships |           |                           |       |
|--|---------------|-----------|---------------------------|-------|
|  | Director      | 10% Owner | Officer                   | Other |
| Murrah Judith<br>50 HEALTH SCIENCES DRIVE<br>STONY BROOK, NY 11790 |               |           | Chief Information Officer |       |

## Signatures

/s/ Beth Jantzen 12/10/2018

\_\_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 (1) December 10, 2018 to December 09, 2023, resulting in the deemed cancellation of the "old" option and the grant of a replacement option. The option was originally granted on December 10, 2013 and provided for immediate vesting.

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.