

COMMODORE APPLIED TECHNOLOGIES INC  
Form NT 10-K  
March 31, 2009

OMB APPROVAL  
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United States Securities and Exchange Commission  
Washington, D.C. 20549

FORM 12b-25

NOTIFICATION OF LATE FILING

(check one)

**Form 10-K**

Form 20-F

Form 11-K

Form 10-Q

Form N-SAR

For Period Ended : December 31, 2008

- Transition Report on Form 10-K
- Transition Report on Form 20-F
- Transition Report on Form 11-K
- Transition Report on Form 10-Q
- Transition Report on Form N-SAR

For the Transition Period Ended: -----

Nothing in this form shall be construed to imply that the Commission has verified any information contained herein.

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PART 1 REGISTRANT INFORMATION

Full Name of Registrant: COMMODORE APPLIED TECHNOLOGIES INC.

Address of Principal Executive Office: 507 Knight Street Suite B

City, State and Zip Code: Richland, WA 99352

PART II RULES 12B-25(b) AND (c)

(a) The reasons described in reasonable detail in Part III of this form  
could not be eliminated without unreasonable effort or expense;

-X- (b) The subject annual report, semi-annual report, transition

report, on Form 10-K, Form 20-F, 11-K, Form N-SAR, or portion

thereof will be filed on or before the fifteenth calendar

day following the prescribed due date; or the subject

quarterly report on Form 10-Q, or portion there of will be

filed on or before the fifth calendar day following the

prescribed due day; and

(c) The accountant's statement or other exhibit required by

Rule 12b-25(c) has been attached if applicable.

PART III NARRATIVE

(State below in reasonable detail why the Form 10-K, 20-F, 11-K, 10-Q, N-SAR, or the transition report or portion thereof, could not be filed within the prescribed time period.)

The Company's Form 10-K for the year ended December 31, 2008 cannot be filed within the prescribed time period because the Company is experiencing delays in the collection and compilation of certain financial and other related data to be included in the Form 10-K and the associated audited financial statements and notes. This information could not have been obtained without unreasonable effort or expense to the Company.

PART IV OTHER INFORMATION

(1) Name and telephone number of person to contact in regard to this notification.

|              |             |                    |
|--------------|-------------|--------------------|
| Ted R. Sharp | 208         | 697-1641           |
| -----        | -----       | -----              |
| (Name)       | (Area Code) | (Telephone Number) |

(2) Have all other periodic reports required under Section 13 or 15(d) of the Securities Exchange Act of 1934 or Section 30 of the Investment Company Act of 1940 during the preceding 12 months (or for such shorter period that the registrant was required to file such reports)

been filed? If the answer is no, identify report(s).

**-X- Yes** --- No

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(3) Is it anticipated that any significant change in results of operations from the corresponding period for the last fiscal year will be reflected by the earnings statements to be included in the subject report or portion thereof?

--- Yes **-X- No**

If so, attach an explanation of the anticipated change, both narratively and quantitatively, and, if appropriate, state the reasons why a reasonable estimate of the results cannot be made.

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SIGNATURE

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Commodore Applied Technologies, Inc.

(Name of Company)

has caused this notification to be signed on its behalf by the undersigned hereunto duly authorized.

By: /s/ Ted R. Sharp

Date: March 31, 2009

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Title: Chief Financial Officer