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September 28, 2006

VIA EDGAR

Securities and Exchange Commission
100 F Street, NE
Washington, D.C. 20549

Re: AeroVironment, Inc.
Registration Statement on Form S-1

Ladies and Gentlemen:

On behalf of AeroVironment, Inc. (the "Company"), we transmit for filing with the Securities and Exchange Commission (the "Commission") the Company's Registration Statement on Form S-1 (the "Registration Statement").

In connection with this Registration Statement, the Company has paid by wire transfer to the Commission a filing fee in the amount of \$12,305.

If you have any questions regarding this filing, please contact Craig M. Garner or the undersigned at (858) 523-5400.

Very truly yours,

/s/ MICHAEL SULLIVAN
Michael Sullivan

cc: Craig M. Garner, Esq., Latham & Watkins LLP
Stuart L. Hindle, AeroVironment, Inc.