

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

May 3, 2011

Alfredo Gomez General Counsel and Secretary EMCORE Corporation 10420 Research Road, SE Albuquerque, NM 87123

> Re: EMCORE Corporation Preliminary Proxy Statement on Schedule 14A Filed April 22, 2011 File No. 000-22175

Dear Mr. Gomez:

We have completed our limited review of your preliminary proxy statement and have no further comments at this time. You may contact Joe McCann at (202) 551-6262 with any questions.

Sincerely,

Amanda Ravitz Assistant Director

cc (via fax): Tobias Knapp, Esq. – Jenner & Block, LLP