



DIVISION OF
CORPORATION FINANCE

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