DEPARTMENT OF THE ARMY
UNITED STATES MILITARY ACADEMY
West Point, New York 10996

REPLY TO
ATTENTION OF

MADN-CHM-LS LR 20 Oct 2014 Recommend Approval 5 September 2014

MEMORANDUM THRU Colonel Leon L. Robert, Jr., Professor and Head, Department of Chemistry and Life Science, United States Military Academy, West Point, New York 10996

FOR Brigadier General Timothy E. Trainor, Dean of the Academic Board, United States Military Academy, West Point, New York, 10996

SUBJECT: Request for Sabbatical – Professor Andrew Biaglow

1. Confirmation of Eligibility.

   a. Professor Biaglow is a Title10 senior civilian faculty member with a doctorate degree, rank of full professor, excellent performance record, and 21 years of continuous service.

   b. Professor Biaglow meets the requirements and is eligible to request sabbatical as described in DPOM 3-9 paragraph 4.

   c. The period of sabbatical will be terms AY15-2 and AY15-3, combining the spring semester with the summer months.

2. Sabbatical Proposal and Objectives.

   a. From January 2015 through July 2015, Professor Biaglow will be working on a backlog of publications.

   b. A textbook, to be titled "Teach Yourself ChemCAD," is a new textbook for use in chemical engineering design courses. The book has already been proposed to John Wiley and Sons, complete with external reviews, internal JAG review, and sample chapters, and the proposal has been accepted.

   c. This textbook is much more than a how-to guide for the use of software. The aim of the book is to teach chemical engineering concepts using the CAD software as a vehicle of instruction. As such, it is expected to have significant impact in the educational community.

   d. The research publications will be based on data already accumulated over the last two years.

   e. As per DPOM 3-9 paragraph 5.b, independent research and writing are "common sabbatical activities" and therefore should be approved in this case

3. Benefits to the faculty member.

a. The primary benefit to the faculty member will be the availability of time to clear a backlog of unpublished work. Additional publications will enhance Professor Biaglow's professional ratings and external reputation.

b. A secondary benefit is the engagement in a period of academic and intellectual renewal as described in DPOM 3-9 paragraph 1.R. This academic and intellectual renewal will occur as part of the independent writing and research process described in Section 2 above.

4. Benefits to the Academy.

a. The primary benefit to the academy is in the enhancement of cadet education that will result in the production of a book that is aimed at their needs. The book will be available at cost for use in any chemical engineering course.

b. A secondary and indirect but important benefit to the academy is in the enhancement of the institution's reputation. Industrial practitioners, chemical engineering faculty and students at other schools will likely purchase and read this book.

5. Resources. This project will require the use of government computers, one large-format monitor, and printer, paper and toner. The project will also require access to and use of ChemCAD process design software for development of the educational materials. Professor Biaglow will also require the periodic use of his office space.

6. Pay Status. Professor Biaglow is requesting full-pay status for the duration of the sabbatical period.

7. Professor Biaglow understands the expectation for continued service at USMA for one year following his sabbatical.

Andrew Biaglow

ANDREW BIAGLOW
Professor of Chemical Engineering
Department of Chemistry
and Life Science