

**GREAT LAKES-NORTHERN FOREST
COOPERATIVE ECOSYSTEM STUDIES UNIT**

**AMENDMENT THREE TO
COOPERATIVE AND JOINT VENTURE AGREEMENT**

between

**U.S. DEPARTMENT OF THE INTERIOR
Bureau of Land Management
U.S. Geological Survey
National Park Service
U.S. Fish and Wildlife Service**

**U.S. DEPARTMENT OF AGRICULTURE
U.S. Forest Service, Northern Research Station
Natural Resources Conservation Service**

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

**U.S. DEPARTMENT OF DEFENSE
U.S. Army Corps of Engineers–Civil Works
Office of the Deputy Under Secretary of Defense
(Installations and Environment)**

and

**UNIVERSITY OF MINNESOTA (HOST)
Fond du Lac Tribal and Community College
Indiana University
Michigan State University
Michigan Technological University
Minnesota State University–Mankato
Southern University and A&M College
SUNY-College of Environmental Science and Forestry
University of Iowa
University of Massachusetts–Amherst
University of Toledo
University of Vermont and State Agricultural College
University of Wisconsin–Madison
West Virginia University
American Indian Science and Engineering Society**

**Great Lakes Commission
Great Lakes Forest Alliance
International Association for Great Lakes Research
Minnesota Department of Natural Resources
National Council for Air and Stream Improvement, Inc.
The Nature Conservancy
Science Museum of Minnesota
Cleveland State University
University of Wisconsin–Stevens Point
Northern Michigan University
Stephen F. Austin State University
University of Wisconsin–La Crosse
Antioch University New England
Cornell University
Indiana State University
Purdue University
University of Notre Dame**

Adding:

**Ball State University
Grand Valley State University
Hamline University
Midwest Art Conservation Center
St. Mary's University of Minnesota
Winona State University**

With the exception of the changes below, all terms and conditions of the Great Lakes-Northern Forest Cooperative and Joint Venture Agreement apply to this Amendment, and this Amendment is hereby made part of the Agreement.

ARTICLE I. BACKGROUND AND OBJECTIVES

K.2. Ball State, Grand Valley State, Hamline University, Midwest Art Conservation Center, St. Mary's University of Minnesota, and Winona State University are hereby included as Partner Institutions in the Great Lakes-Northern Forest Cooperative Ecosystem Studies Unit.

ARTICLE III. TERMS OF AGREEMENT

A.1. The effective date of the Great Lakes-Northern Forest CESU Cooperative and Joint Venture Agreement is 02 August 2007.

A.3. The effective date of this amendment to the Great Lakes-Northern Forest CESU Cooperative and Joint Venture Agreement shall be determined from the date of the last signature.

ARTICLE IV. KEY OFFICIALS

C.33. The technical representative for Ball State University is:

Dr. Melody Bernot
Assistant Professor of Biology Director
Ball State University Ball State University
2000 W. University Avenue
Muncie, IN 47306
Phone: (765) 285-8820
Fax: (765) 285-8804
mjbernot@bsu.edu

Administrative Representative:
Ms. Anne C. ("Kristi") Koriath
Department of Biology Sponsored Programs Office
2000 W. University Avenue
Muncie, IN 47306
Phone: (765) 285-1600
Fax: (765) 285-1624
kkoriath@bsu.edu

C.34. The technical representative for Grand Valley State University is:

Alan Steinman, Ph.D.
Director, Annis Water Resources Institute
Grand Valley State University
Lake Michigan Center
740 West Shoreline Drive
Muskegon, MI 49441
Phone: (616) 331-3749
Fax: (616) 331-3864
steinmaa@gvsu.edu

Administrative Representative:
Chris Chamberlain
Director; Office of Sponsored Programs
Grand Valley State University
311C DeVos Center
401 W. Fulton

Grand Rapids, MI 49504 – 6431
Phone: (616) 331-6868
Fax: (616) 331-6830
chambech@gvsu.edu

C.35. The technical representative for Hamline University is:

Tracy Fredin, Director
Center for Global Environmental Education
Hamline University School of Education
MS-A1760
1536 Hewitt Avenue
St. Paul, MN 55104
Phone: (651) 523-3105
Fax: (651) 523-3041
tfredin@hamline.edu

Administrative Representative:

Dr. David Stern
Vice President of Academic and Student Affairs
Suite 116, Old Main
Hamline University
1536 Hewitt Avenue
St. Paul, MN 55104
Phone: (651) 523-2023
Fax: (651) 523-3073
dstern02@hamline.edu

C.36. The technical representative for Midwest Art Conservation Center is:

Colin Turner, Executive Director
Midwest Art Conservation Center
2400 – 3rd Avenue South
Minneapolis, MN 55404
Phone: (612) 870-3120
Fax: (612) 870-3118
cturner@preserveart.org

C.37. The technical representative for St. Mary's University of Minnesota is:

Barry Drazkowski
Executive Director, GeoSpatial Services
Saint Mary's University of Minnesota
Prairie Island Field Station
700 Terrace Heights

Winona, Minnesota 55987-2440
Phone: (507) 457.6925
Fax: (507) 457.6925
bdrazkow@smumn.edu

C.38. The technical representative for Winona State University is:

W. Harold Ornes
Dean
College of Science & Engineering
Winona State University
175 West Mark St., PO Box 5838
Winona, MN 55987
Phone: (507) 457-5585
Fax: (507) 474-5788
wornes@winona.edu

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES

The following authorizing signatures are attached to this amendment:

U.S. DEPARTMENT OF THE INTERIOR

- A. Bureau of Land Management
- B. U.S. Geological Survey
- C. National Park Service
- D. U.S. Fish and Wildlife Service

U.S. DEPARTMENT OF AGRICULTURE

- E. U.S. Forest Service
- F. Natural Resources Conservation Service

G. NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

U.S. DEPARTMENT OF DEFENSE

- H. U.S. Army Corps of Engineers–Civil Works
- I. Office of the Deputy Under Secretary of Defense (Installations and Environment)

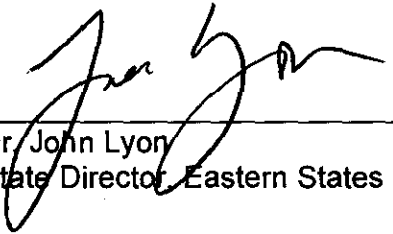
J. UNIVERSITY OF MINNESOTA (HOST)

- K. Fond du Lac Tribal and Community College
- L. Indiana University
- M. Michigan State University
- N. Michigan Technological University
- O. Minnesota State University–Mankato
- P. Southern University and A&M College
- Q. SUNY–College of Environmental Science and Forestry
- R. University of Iowa

- S. University of Massachusetts–Amherst
- T. University of Toledo
- U. University of Vermont and State Agricultural College
- V. University of Wisconsin–Madison
- W. West Virginia University
- X. American Indian Science and Engineering Society
- Y. Great Lakes Commission
- Z. Great Lakes Forest Alliance
- AA. International Association for Great Lakes Research
- BB. Minnesota Department of Natural Resources
- CC. National Council for Air and Stream Improvement, Inc.
- DD. The Nature Conservancy
- EE. Science Museum of Minnesota
- FF. Cleveland State University
- GG. University of Wisconsin–Stevens Point
- HH. Northern Michigan University
- II. Stephen F. Austin State University
- JJ. University of Wisconsin–La Crosse
- KK. Antioch University New England
- LL. Cornell University
- MM. Indiana State University
- NN. Purdue University
- OO. University of Notre Dame
- PP. **Ball State University**
- QQ. **Grand Valley State University**
- RR. **Hamline University**
- SS. **Midwest Art Conservation Center**
- TT. **St. Mary’s University of Minnesota**
- UU. **Winona State University**

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

A. Bureau of Land Management



Dr. John Lyon
State Director, Eastern States

09 30 2011
Date

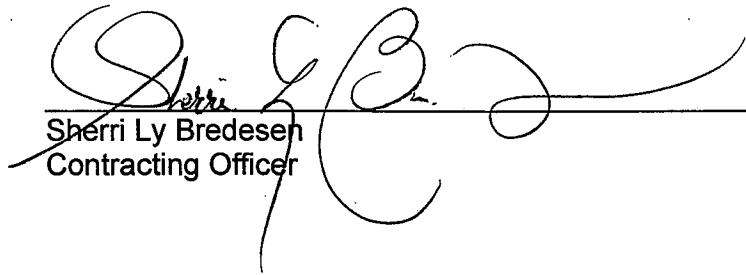


Lisa T. Clayton
Grants Management Officer

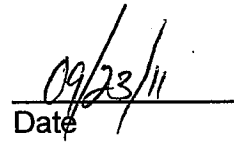
10.6.11
Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

B. U.S. Geological Survey



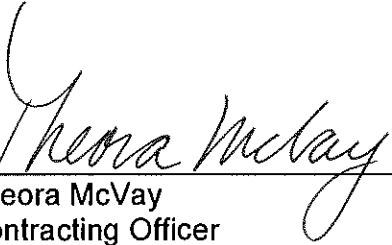
Sherri Ly Bredesen
Contracting Officer



Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

C. National Park Service



Theora McVay
Contracting Officer

9.19.11
Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

D. U.S. Fish and Wildlife Service

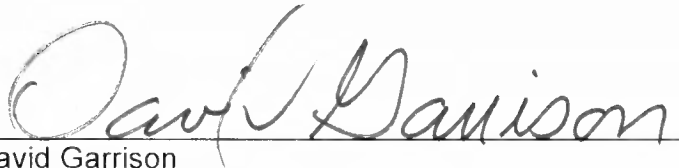
Per Article III, C: If a Partner Institution or Federal Agency has not responded after forty-five (45) days from receipt of the amendment, its signature will not be required to make the amendment effective.

Cathy Vanatta
Contracting Officer, Region 3

Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

E. U.S. Forest Service


A handwritten signature in cursive script that reads "David Garrison". The signature is written in dark ink and is positioned above a horizontal line.

David Garrison
Grants and Agreements Specialist
Northern Research Station

9/19/11
Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

F. Natural Resources Conservation Service

 ACTING FOR
Eloris D. Speight
Deputy Chief for Management

9.23.11
Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

G. National Aeronautics and Space Administration

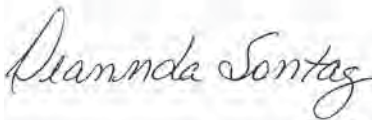
Per Article III, C: If a Partner Institution or Federal Agency has not responded after forty-five (45) days from receipt of the amendment, its signature will not be required to make the amendment effective.

[Print Name]
[Print Title]

Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

H. U.S. Army Corps of Engineers – Civil Works



Digitally signed by
SONTAG.DEANNDAS.1230791909
DN: c=US, o=U.S. Government,
ou=DoD, ou=PKI, ou=USA,
cn=SONTAG.DEANNDAS.1230791909
Date: 2011.10.20 12:25:02 -05'00'


20 Oct 2011

Deanna Sontag
Grants Officer

Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

- I. Department of Defense, Office of the Deputy Under Secretary of Defense
(Installations and Environment)



Leslie E. Guy
Grants Officer
Representing ODUSD (I&E)

19-Sep-11
Date

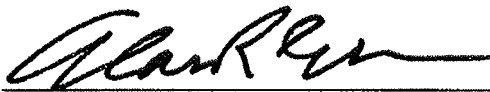
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

J. University of Minnesota



Kevin McKoskey
Senior Grants Manager
Office of Sponsored Projects Administration

9/21/11
Date

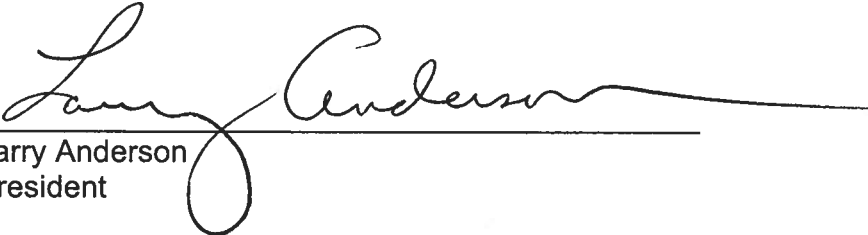


Alan Ek
Head, Department of Forest Resources and
Acting Director, Great Lakes-Northern Forest CESU

9/21/11
Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

K. Fond du Lac Tribal and Community College




Larry Anderson
President

9/21/11
Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

L. Indiana University



Stephen A. Walker
Executive Director, Eppley Institute for Parks and Public Lands

10/07/2011
Date



Teresa Miller
Manager Grant Services

10-11-2011
Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

M. Michigan State University



Daniel T. Evon
Director, Contract and Grant Administration

9/21/11
Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

N. Michigan Technological University



David D. Reed
Vice President for Research

9/20/11

Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

O. Minnesota State University–Mankato



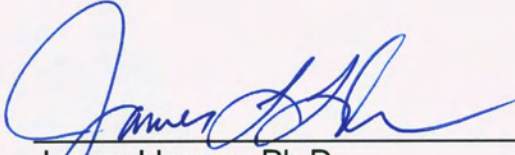
Richard J. Straka
Vice President for Finance and Administration



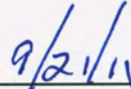
Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

P. Southern University and A&M College

A handwritten signature in blue ink, appearing to read "James Llorens", written over a horizontal line.

James Llorens, Ph.D.
Chancellor

A handwritten date "9/21/11" written in blue ink above a horizontal line.

Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

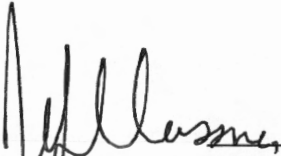
Q. SUNY–College of Environmental Science and Forestry

Cornelius B. Murphy, Jr.
Cornelius B. Murphy, Jr.
President

9/21/11
Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

R. University of Iowa



Jennifer Lassner
Interim Director
Division of Sponsored Programs

10/4/11

Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

S. University of Massachusetts–Amherst


Per Article III, C: If a Partner Institution or Federal Agency has not responded after forty-five (45) days from receipt of the amendment, its signature will not be required to make the amendment effective.

Jennifer A. Donais, CRA
Associate Director

Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

T. University of Toledo

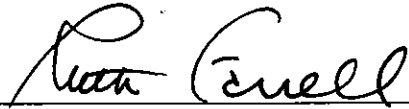


James P. Trempe, Ph.D.
Vice President for Research

9/20/11
Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

U. University of Vermont and State Agricultural College



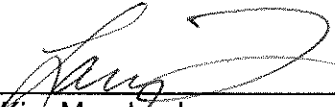
Ruth Farrell
Associate Vice President for Research Administration

SEP 22 2011

Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

V. University of Wisconsin-Madison


for: Kim Moreland
Director, Research and Sponsored Programs

**Larry Westby, Admin. Officer
Research & Sponsored Programs**

OCT 5 2011
Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

W. West Virginia University



Curt M. Peterson
Interim Vice President for Research & Economic Development

09/20/2011
Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

X. American Indian Science and Engineering Society

Per Article III, C: If a Partner Institution or Federal Agency has not responded after forty-five (45) days from receipt of the amendment, its signature will not be required to make the amendment effective.

Name:
Title:

Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

Y. Great Lakes Commission

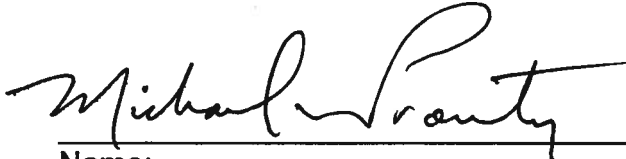
Per Article III, C: If a Partner Institution or Federal Agency has not responded after forty-five (45) days from receipt of the amendment, its signature will not be required to make the amendment effective.

Name:
Title:

Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

Z. Great Lakes Forest Alliance



Name: _____
Title: *Executive Director*

9/28/11
Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

AA. International Association for Great Lakes Research

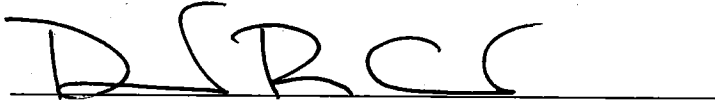
Per Article III, C: If a Partner Institution or Federal Agency has not responded after forty-five (45) days from receipt of the amendment, its signature will not be required to make the amendment effective.

Robert J. Letcher
President

Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

BB. Minnesota Department of Natural Resources


A handwritten signature in black ink, appearing to read "DSRCC", written over a horizontal line.

Dave Schad
Deputy Commissioner

9/23/2011
Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

CC. National Council for Air and Stream Improvement, Inc.




Ronald A. Yeske

9/26/2011
Date

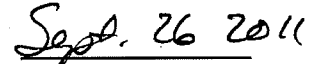
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

DD. The Nature Conservancy



Name:

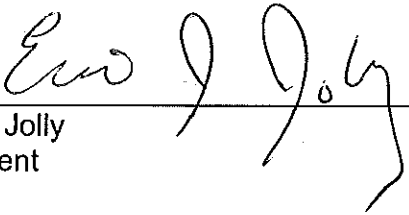
Title:



Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

EE. Science Museum of Minnesota




Eric J. Jolly
President

10/27/11
Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

FF. Cleveland State University

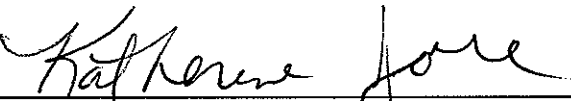


Jerzy T. Sawicki
Associate Vice President for Research

10-31-11
Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

GG. University of Wisconsin–Stevens Point

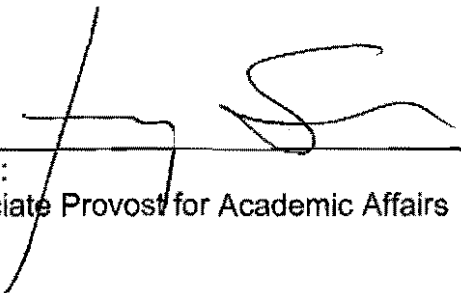


~~Michael P. Veum~~ Katherine R. Jore
Associate Vice Chancellor for Personnel,
Budget and Grants

9/22/11
Date


ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

HH. Northern Michigan University



Name:
Associate Provost for Academic Affairs

10-25-2011
Date



Name:
Vice President for Finance and Administration

10-26-11
Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

II. Stephen F. Austin State University

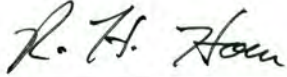


Baker Pattillo
President

10-19-11
Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

JJ. University of Wisconsin–La Crosse



Robert H. Hoar
Interim Associate Vice Chancellor for Academic Affairs

9-23-2011

Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

KK. Antioch University New England



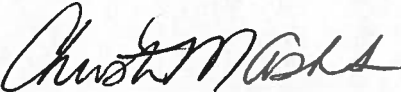
David A. Caruso, Ph.D.
President

9/27/11

Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

LL. Cornell University



Christine M. Ashdown
Senior Grant & Contract Officer, Office of Sponsored Programs

10/3/11

Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

MM. Indiana State University

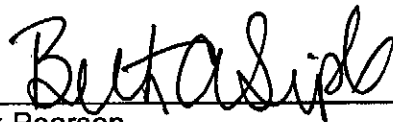
Per Article III, C: If a Partner Institution or Federal Agency has not responded after forty-five (45) days from receipt of the amendment, its signature will not be required to make the amendment effective.

[Print Name]
[Print Title]

Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

NN. Purdue University




Mark Pearson
Senior Contract Analyst

9/29/11
Date

**Beth Siple, Asst. Director
Ag Sponsored Program Service**

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

OO. University of Notre Dame



Liz Rulli
Associate Vice President for Research

09/23/2011
Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

PP. Ball State University



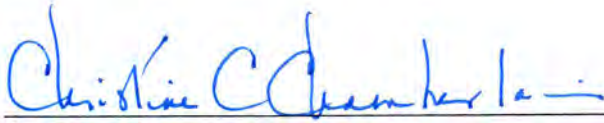
Print name: Anne C Koriath

Print title: Director, Sponsored Programs Office

Date 08/24/11

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

QQ. Grand Valley State University

Handwritten signature of Christine C. Chamberlain in blue ink, written over a horizontal line.

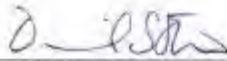
Print name: Christine C. Chamberlain, Director
Print title: Office of Sponsored Programs

Handwritten date 8/25/16 in blue ink, written over a horizontal line.

Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

RR. Hamline University



Print name: Dr. David S. Sterns

Print title: Vice President for Academic and Student Affairs

9.13.11

Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

SS. Midwest Art Conservation Center



Print name: Colin D. Turner
Print title: Executive Director

8/22/2011
Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

TT. St. Mary's University of Minnesota

James M. Bedtke

Print name: James M. Bedtke, MBA
Print title: Vice President of the College

8-22-11
Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)
UU. Winona State University

A handwritten signature in black ink, appearing to read "W. H. Ornes". The signature is written in a cursive style with a prominent vertical stroke for the letter 'H'.

Print name: W. Harold Ornes
Print title: Dean, College of Science and Technology

Date: 8/24/2011