

**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](mailto: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](mailto: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](mailto: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](mailto: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](mailto: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](mailto: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](mailto: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](mailto: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](mailto: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)

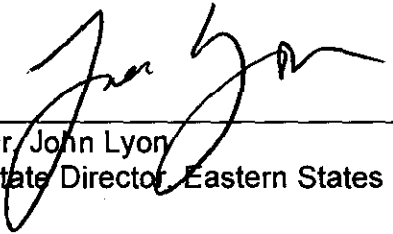
##### J. UNIVERSITY OF MINNESOTA (HOST)

- 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

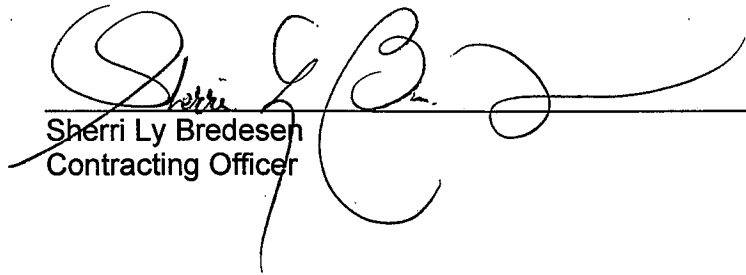
09 30 2011  
Date

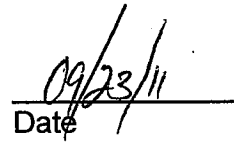
  
\_\_\_\_\_  
Lisa T. Clayton  
Grants Management Officer

10.6.11  
Date

**ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)**

B. U.S. Geological Survey

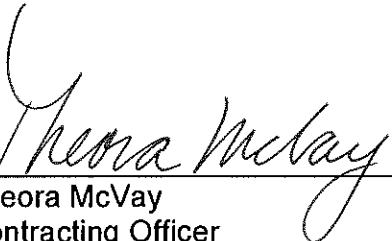
  
\_\_\_\_\_  
Sherri Ly Bredesen  
Contracting Officer

  
\_\_\_\_\_  
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

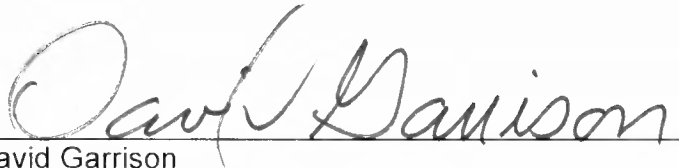
Per Article III, C: If a Partner Institution or Federal Agency has not responded after forty-five (45) days from receipt of the amendment, its signature will not be required to make the amendment effective.

\_\_\_\_\_  
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.

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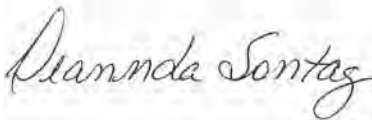
[Print Name]  
[Print Title]

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Date

**ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)**

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



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

20 Oct 2011

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Deanna Sontag  
Grants Officer

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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.)**

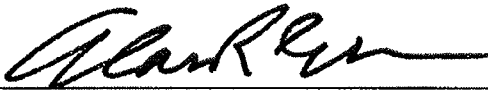
J. University of Minnesota



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Kevin McKoskey  
Senior Grants Manager  
Office of Sponsored Projects Administration

9/21/11  
Date



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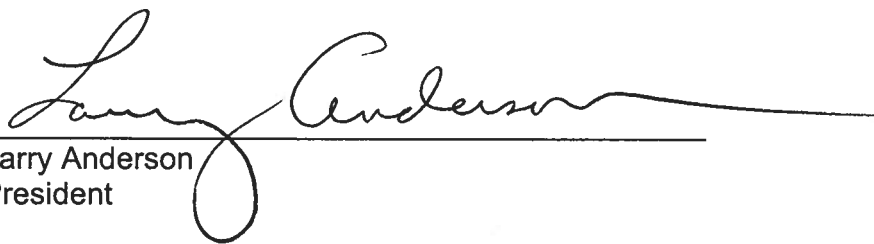
Alan Ek  
Head, Department of Forest Resources and  
Acting Director, Great Lakes-Northern Forest CESU

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



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David D. Reed  
Vice President for Research

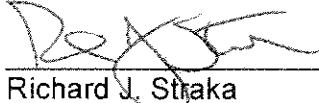
9/20/11

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Date

**ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)**

O. Minnesota State University–Mankato



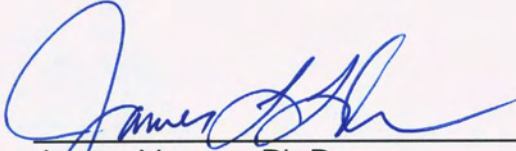
Richard J. Straka  
Vice President for Finance and Administration



Date

**ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)**

P. Southern University and A&M College



James Llorens, Ph.D.  
Chancellor

9/21/11

Date

**ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)**

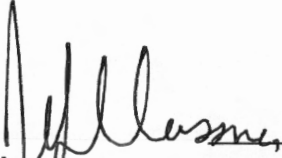
Q. SUNY–College of Environmental Science and Forestry

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.)

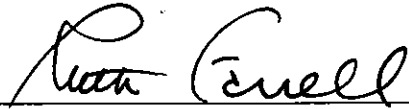
T. University of Toledo

  
\_\_\_\_\_  
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

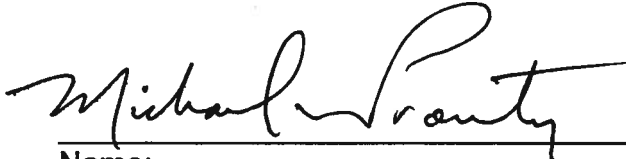
Per Article III, C: If a Partner Institution or Federal Agency has not responded after forty-five (45) days from receipt of the amendment, its signature will not be required to make the amendment effective.

\_\_\_\_\_  
Name:  
Title:

\_\_\_\_\_  
Date

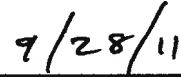
**ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)**

Z. Great Lakes Forest Alliance

  
\_\_\_\_\_

Name:

Title: *Executive Director*

  
\_\_\_\_\_

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.

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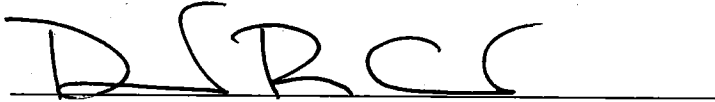
Robert J. Letcher  
President

---

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.)**

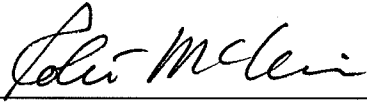
CC. National Council for Air and Stream Improvement, Inc.

  
\_\_\_\_\_  
Ronald A. Yeske

9/26/2011  
Date

**ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)**

DD. The Nature Conservancy

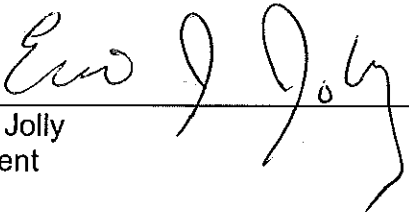


Name:  
Title:

Sept. 26 2011  
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.)**

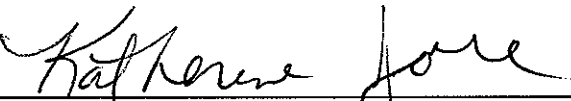
FF. Cleveland State University

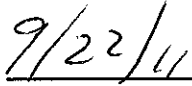
  
\_\_\_\_\_  
Jerzy T. Sawicki  
Associate Vice President for Research

10-31-11  
Date

**ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)**

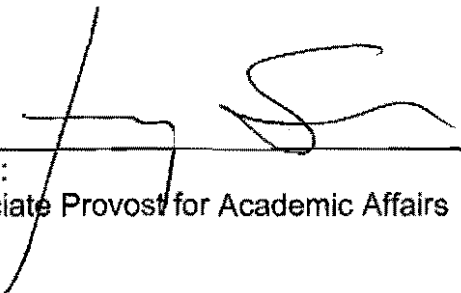
GG. University of Wisconsin–Stevens Point

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


  
\_\_\_\_\_  
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.)**

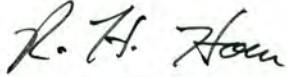
**II. Stephen F. Austin State University**

  
\_\_\_\_\_  
Baker Pattillo  
President

10-19-11  
Date

**ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)**

JJ. University of Wisconsin–La Crosse



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Robert H. Hoar  
Interim Associate Vice Chancellor for Academic Affairs

*9-23-2011*

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Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

KK. Antioch University New England



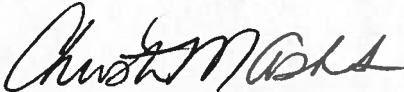
\_\_\_\_\_  
David A. Caruso, Ph.D.  
President

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

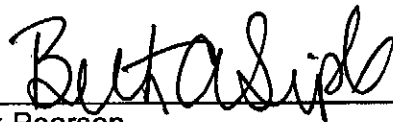
Per Article III, C: If a Partner Institution or Federal Agency has not responded after forty-five (45) days from receipt of the amendment, its signature will not be required to make the amendment effective.

\_\_\_\_\_  
[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

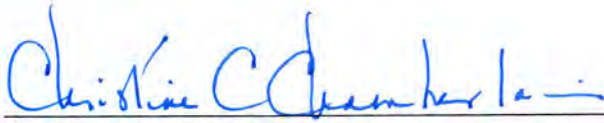
Print title: Director, Sponsored Programs Office

Date 08/24/11



ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

QQ. Grand Valley State University

A handwritten signature in blue ink that reads "Christine C. Chamberlain". The signature is written in a cursive style and is positioned above a horizontal line.

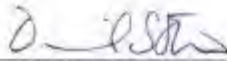
Print name: Christine C. Chamberlain, Director  
Print title: Office of Sponsored Programs

A handwritten date in blue ink that reads "8/25/16". The date is written in a cursive style and is positioned above 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**



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

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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'.

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

Date: 8/24/2011