

AGENDA

**U.S. ENVIRONMENTAL PROTECTION AGENCY
SCIENCE ADVISORY BOARD
Lake Erie Phosphorus Objectives Review Panel
Public Meeting**

December 10, 2014, 8:00 a.m. – 4:30 p.m. (Central Time)

**Ralph H. Metcalfe Federal Building,
Lake Michigan Room (12th floor)
77 West Jackson Boulevard
Chicago, IL 60603**

Purpose: To receive overview briefings from invited experts from Canada and develop responses to charge questions on the ensemble modeling approach the EPA is using to develop preliminary bi-national phosphorous objectives and loading targets for the nearshore and offshore waters to achieve the Lake Ecosystem Objectives for Lake Erie.

Wednesday, December 10, 2014

8:00 a.m.	Convene Meeting and Opening Remarks	Mr. Thomas Carpenter, <i>Designated Federal Officer Lake Erie Phosphorus Objectives Review Panel</i>
8:05 a.m.	Welcoming Remarks	Mr. Christopher Zarba, <i>Director, Science Advisory Board Staff Office</i>
8:10 a.m.	Panel Introductions and Review of the Agenda	Dr. William Schlesinger, <i>Chair Lake Erie Phosphorus Objectives Review Panel</i>
8:25 a.m.	EPA Overview of Annex 4 Nutrient Approach for Lake Erie	Ms. Tinka Hyde, <i>Director, Water Division EPA Region 5</i>
8:50 a.m.	Public Comments	Registered Speakers

9:10 a.m.	Overview of available Data, Eutrophication Indicators for Lake Erie Ecosystem Models	Invited Experts from Canada Dr. Douglas Haffner, University of Windsor Dr. William Taylor, University of Waterloo Mr. Charlton Murray, Environment Canada, Retired
10:00 a.m.	BREAK	
10:15 a.m.	Overview of Lake Erie Ecosystem Models Selected for the Ensemble Modeling Approach	Invited Experts from Canada Dr. George Arhonditsis, University of Toronto Dr. Jan Ciborowski University of Windsor
	Panel Discussion of Charge Questions	
11:00 a.m.	<ul style="list-style-type: none">• Question 1: Eutrophication Response Indicators	Lead Discussants Drs. Alber, Ammerman, Johnson, Rosi-Marshall, and Valett
12:00 p.m.	LUNCH	
1:15 p.m.	<ul style="list-style-type: none">• Question 2: Models Chosen to Evaluate the Eutrophication Response	Lead Discussants Drs. Bartell, Connolly, Carrick and Mr. Endicott
2:10 p.m.	<ul style="list-style-type: none">• Question 3: Using an Ensemble Modeling Approach	Lead Discussants Drs. Heath, Reckhow, La Point, Smith and Mr. Fitzpatrick
3:00 p.m.	BREAK	
3:15 p.m.	<ul style="list-style-type: none">• Question 4: Consistency Among Phosphorus Concentration and Loading Targets and Eutrophication Response Indicators	Lead Discussants Drs. Chen, Diaz, Di Giulio, Klump, McLaughlin, Reddy, and Stubblefield

December 4, 2014

4:10 p.m.	Opportunity for brief clarifying remarks	EPA staff or members of the public
4:15 p.m.	Action Items and Next Steps	Dr. Schlesinger
4:30 p.m.	Adjourn	Mr. Carpenter