EPA Human Health Risks Associated with
Cyanobacteria and Cyanotoxins Exposure Webinar
May 22-23, 2013

OBJECTIVE
Through presentations and discussions, gain an in depth understanding of the human health effects associated with exposure to cyanobacteria and their toxins in drinking water and recreational waters.

SCHEDULE DAY 1 – MAY 22ND

TIME	PRESENTATION	SPEAKER
9:00 - 9:10	Welcome	Elizabeth Doyle, PhD Health and Ecological Criteria Division, Office of Science and Technology, US EPA
9:10 - 9:15	Workshop Objectives and Webinar Logistics	Lesley Vazquez-Coriano, DrPH Health and Ecological Criteria Division, Office of Science and Technology, US EPA
9:15 - 10:00	Priority setting for hazard assessment in recreational waters affected by freshwater cyanobacteria: death or itching?	Ian Stewart, PhD, Research Scientist School of Public Health, Griffith University, Southport, Queensland, Australia
10:00-10:45	Human health impacts associated with cyanobacteria HABs: summary of a literature review prepared for the International Joint Commission (IJC), Great Lakes Regional Office	Wayne W. Carmichael, PhD Professor Emeritus, Department of Biological Sciences, Wright State University
10:45-11:00	**BREAK**	
11:00-11:40	Microcystins- clinicopathological evidence of sublethal effects	Elizabeth Hilborn, DVM, MPH Environmental Public Health Division National Environmental Effects Research Laboratory, Office of Research and Development, US EPA
11:40–12:20	A human intoxication event by cyanotoxins during renal dialysis treatment in Caruaru, Brazil	Sandra M. F. O. Azevedo, PhD Professor, Laboratório de Ecofisiologia e Toxicologia de Cianobactérias, Universidade Federal do Rio de Janeiro
12:20 - 1:00	**LUNCH**	
1:00 - 1:45	Epidemiology of exposure to cyanobacteria: high dose acute and low dose chronic	Nicholas Osborne, PhD Senior Research Fellow, European Centre for Environment and Human Health University of Exeter Medical School
1:45 - 2:30	State-Based Harmful Algal Blooms Surveillance: The Wisconsin Perspective	Mark Werner, PhD Division of Public Health, Department of Health and Family Services, Bureau of Environmental Health, State of Wisconsin
2:30 - 3:10	2010 HAB Response in Grand Lake St. Marys	Greg Stein and Laurie Billing Community Involvement/Health Education Health Assessment Section, Bureau of Environmental Health, OH Department of Health
3:10 - 4:00	Discussion	Elizabeth Hilborn, DVM, MPH Office of Research and Development, US EPA
4:00pm	**ADJOURN**	

SCHEDULE DAY 2 – MAY 23ND

TIME	PRESENTATION	SPEAKER
9:00 - 9:45	Cylindrospermopsin: genotoxin and potential carcinogen	Andrew Humpage, PhD Senior Research Specialist in Chemical Contaminants Australian Water Quality Centre South Australia Water
9:45 - 10:25	Toxicity studies on Microcystin-LR and Anatoxin-a	John Fawell Independent Consultant, United Kingdom
10:30-10:45	**BREAK**	
10:45-11:25	Regulating cyanotoxins: WHO guidance and national approaches	Ingrid Chorus, PhD Head of Department, Drinking-Water and Swimming Pool Hygiene Federal Environment Agency, Berlin
11:25-12:10	Microcystin in the Food Web of the James River, a sub-estuary of Chesapeake Bay	Paul A. Bukaveckas, PhD Professor, Department of Biology Virginia Commonwealth University
12:10- 1:00	**LUNCH**	
1:00 - 1:45	BMAA and Neurodegenerative Diseases in Humans	Neil Chernoff, PhD Environmental Public Health Division National Environmental Effects Research Laboratory Office of Research and Development, US EPA
1:45 - 2:30	Florida's Public Health Surveillance Strategies for Detection of Cyanobacteria-related Illness"	Andrew Reich MS, MSPH Florida Department of Health
2:30 - 3:10	Toxic Cyanobacteria in Washington State	Joan Hardy, PhD Office of Environmental Health, Safety and Toxicology Washington State Department of Health
3:10 - 4:00	Discussion	Elizabeth Hilborn, DVM, MPH Office of Research and Development, US EPA
4:00	**ADJOURN**	