

Table of Contents
SAB Science Integration for Decision Making Fact Finding Interviews
EPA Region 5
January 22, 2010

Schedule for January 22, 2010	2
Logistics/Visitor Guide to Region 5	3
Agenda for meeting with Region 5 Acting Regional Administrator and Acting Deputy Regional Administrator	4
Biosketches for the Region 5 Acting Regional Administrator and Acting Deputy Regional Administrator	5
Agenda for meeting with Region 5 Senior Managers	7
Biosketches for Region 5 Senior Managers	8
Agenda for meeting with Region 3 Scientific and Technical Staff	11
Biosketches of Region 5 Staff Scientists Focus Group Participants	12
Region 5 Organizational Chart	16
U.S. Environmental Protection Agency: Region 5 Background - Presentation	17

**Schedule for January 22, 2010 Visit by Members of the
SAB Committee on Science Integration for Decision Making
to EPA Region 5**

9:30 – 9:45	Arrive to the Regional Office / Security screening / Proceed to the 19th floor reception area
9:45-10:30	Interview with Bharat Mathur, Acting Regional Administrator and Walt Kovalick, Acting Deputy Regional Administrator
10:30 – 12:00	Manager’s Focus Group
12:00 -1:30	LUNCH
1:30 – 3:00	Science Staff Focus Group

Logistics/Visitor Guide to Region 5

The EPA Region 5 office is in the Metcalfe Federal Building at 77 West Jackson Blvd. in Chicago, Illinois at the corner of Jackson Blvd. and Clark Street. In the photograph Jackson is to the left, Clark is to the right.

Visitor Guide to Region 5 | Chicago, The Windy City

Address

US EPA Region 5
Ralph Metcalfe Federal Building
77 West Jackson Blvd.
Chicago, IL 60604
312-353-2000

Directions (driving)

The Metcalfe Federal Building is located in downtown Chicago at the intersection of Clark and Jackson, on the southeast corner.

- From 90-94, exit east on Congress (290), then turn north (left) on Dearborn, west (left) on Adams, south (left) on Clark.
- From 290, continue east on Congress into downtown Chicago, then turn north (left) on Dearborn, west (left) on Adams, south (left) on Clark.
- From Lake Shore Drive, exit west on Jackson, turn north on Michigan, west on Adams, south on Clark.
- Parking - There are several parking lots near the Metcalfe Building. The closest garage is at the south end of the building; you can enter it from Federal Street or Van Buren Street. Costs vary by garage and amount of time parked. There is no parking within the Metcalfe Federal Building itself.

Building Access

The Metcalfe Federal Building is open weekdays from 6:30 am to 6:30 pm. There is limited access to the building after hours and on weekends. Main entrances to the building are located on the north (Jackson Blvd. side) and the west (Clark Street side). Entrance for the disabled is through the leaf door next to the revolving door at the Clark Street entrance.

You will need to show a photo ID to enter the building.

Everyone entering the building will be screened by metal detector. All bags and other items go through an x-ray scan. Building security is monitored by the uniformed guards of the Federal Protective Service.

Visitors

All EPA visitors will be issued a visitor badge by the floor receptionist. Visitors must be accompanied by an EPA employee. Once their business is completed, visitors must return badges to the receptionist.

**SAB Science Integration for Decision Making Fact-Finding Interview
Meeting with Region 5 Acting Regional Administrator and Acting Deputy Regional
Administrator
Metcalf Federal Building at 77 West Jackson Blvd. in Chicago, Illinois
Regional Administrator's Small Conference Room
January 22, 2010, 9:45 a.m. - 10:30 p.m.
Teleconference access: 866-299-3188, access code 343-9981 and press the # sign
Draft Agenda**

Purpose of Interview: to help SAB Committee members learn about Region 5's current and recent experience with science integration supporting EPA decision making so that the SAB can develop advice to support and/or strengthen Agency science integration efforts.

1. Introductions facilitated by the SAB Staff Office
2. Discussion facilitated by SAB Members
 - Practices for integrating science to support decision making
 - Consideration of public, stakeholder, external scientific, and other input in science assessment
 - Drivers and impediments to implementing past recommendations for science integration
 - Ways program receives feedback on how science is used in decision-making
 - Workforce to support science integration for decision making
3. Identification of any follow-up actions

Planned participants

EPA Region 5

Mr. Bharat Mathur, Acting Regional Administrator
Dr. Walter Kovalick, Acting Regional Administrator

SAB Committee on Science Integration Committee Members

Dr. James Johnson, Howard University
Dr. Catherine Kling, Iowa State University

SAB Staff Office

Dr. Anthony Maciorowski, Director
Dr. Angela Nugent, Designated Federal Officer

Biosketches for the Region 5 Acting Regional Administrator and Acting Deputy Regional Administrator

Bharat Mathur

Bharat Mathur was appointed Acting Regional Administrator of the U.S. Environmental Protection Agency Region 5 in January 2009. As Acting Regional Administrator he leads the implementation of federal environmental programs in the Great Lakes states of Illinois, Indiana, Michigan, Minnesota, Ohio and Wisconsin. At the time of his appointment, he was serving as Deputy Regional Administrator. Mr. Mathur previously served as Acting Regional Administrator for six months beginning in April 2006, for 16 months beginning in April 2004, and for two months beginning in June 2008.

He came to EPA in January 2000 as director of the Air and Radiation Division after a lengthy career with the state of Illinois, where he managed Illinois EPA offices dealing with air pollution, hazardous and solid waste, and Clean Water Act programs.

He has served on numerous state and national committees to develop environmental policies and programs, and has consulted with government agencies in India, China, Indonesia, Korea and Mexico in the areas of waste management, air pollution control and pollution prevention.

Walter Kovalick

Dr. Kovalick currently is the Acting Regional Administrator for Region 5. His position of record is as Assistant Regional Administrator for Resources Management/ In this position, he acts as the senior official for management and administration for EPA's Regional Office in Chicago, which works jointly with states and tribes in the six Midwestern states—Illinois, Indiana, Ohio, Michigan, Wisconsin, and Minnesota to carry out EPA's environmental protection mission. For this 1200 person organization, his responsibilities encompass human resources, information technology, geographic information support, facilities, budget, and contracts and grants. He is the senior resource official accountable for the region's \$700M budget, which includes over \$540M in contracts and grants.

Prior to this assignment, Dr. Kovalick managed a headquarters office (1990-2006) that championed technology innovation for both emergency and traditional hazardous waste site cleanups. His division provided policy leadership and technology information within EPA and enabled the broader use of innovative technologies through other Federal agencies, States, consulting engineers, technology vendors and by other countries. In addition, the division provided high quality, cost effective environmental analyses for Superfund and other agency programs through a nationwide network of contract laboratories. He also managed a respected special field unit, the Environmental Response Team, which supports difficult and complex EPA emergency and traditional site responses nationwide, including the anthrax and ricin cleanups in the U.S. Senate and the Columbia Shuttle recovery.

He served from January 1993 until June 1994 (during the Clinton Administration transition period) as the Acting Deputy Assistant Administrator for the Office of Solid Waste and Emergency Response. This office is EPA's national program manager for all solid and hazardous waste regulatory programs, as well as site remediation, underground storage tank, chemical emergency preparedness, and innovative remediation technology issues.

For five years prior to December 1989, he was the Deputy Director of the **Superfund** program where he shared leadership responsibilities for a nation-wide program to respond to hazardous substance releases -- both of an emergency nature as well as from abandoned waste disposal sites.

Joining EPA in 1970 from one of its predecessor agencies, Dr. Kovalick worked at EPA Headquarters and two of its Regional Offices to develop an effective partnership with the States in implementing the **Clean Air Act**. From 1974 to 1978, he managed a program to develop the initial standards to define hazardous wastes and to regulate generators and transporters of such waste. Until 1984, he directed a staff office of the Office of Toxic Substances to develop strategies and information systems for Agency-wide regulation of chemicals. He has represented EPA on hazardous waste and chemical issues to several international organizations, served as a consultant to the United Nations Environment Program and the Global Environment Facility, and, for the past 12 years, has co-chaired a NATO project to share information on remediation technologies.

Dr. Kovalick holds a Bachelor of Science in Industrial Engineering and Management Science from Northwestern University and a Masters in Business Administration from Harvard Business School. He holds a Ph.D. in Public Administration and Policy from Virginia Polytechnic Institute. He is twice a recipient of the President's Meritorious Executive Award (most recently in 2001) as well as EPA Bronze and Silver Medals for Superior Service. In February, 1991, he was named by Engineering News-Record magazine as one of their "1990 Marksmen." In 1997, he received the EPA Fitzhugh Green Award for Outstanding Contributions to International Environmental Protection over 20 years. In May, 2000, he received the Virginia Tech College of Architecture and Urban Studies Alumni Award for Outstanding Professional Accomplishment. In June 2000, he received an EPA Manager's Award for Diversity for his work on minority recruitment.

He has served on subcommittees of the National Research Council and the Department of Energy to advise the Department on technology development issues and been a consultant to the German government, the city of Sao Paulo, the United Nations Environment Program, and has chaired several multinational Pilot Studies under the auspices of the NATO Science for Peace and Security programs. He is a member of the Advisory Committee of the Institute of Environmental Policy, University of Illinois at Chicago and the Visiting Committee of the Environmental Science and Engineering Division, Colorado School of Mines. He is also a member of the American Society for Public Administration.

2/09

**SAB Science Integration for Decision Making Fact-Finding Interview
Meeting with Region 5 Senior Managers
Metcalf Federal Building at 77 West Jackson Blvd. in Chicago, Illinois
Conference Room 1932
Teleconference access: 866-299-3188, access code 343-9981 and press the # sign
January 22, 2010, 10:30 a.m. - 12:00 p.m.
Draft Agenda**

Purpose of Interview: to help SAB Committee members learn about Region 5's current and recent experience with science integration supporting EPA decision making so that the SAB can develop advice to support and/or strengthen Agency science integration efforts.

1. Introductions facilitated by the SAB Staff Office
2. Discussion facilitated by SAB Members
 - Practices for integrating science to support decision making
 - Consideration of public, stakeholder, external scientific, and other input in science assessment
 - Drivers and impediments to implementing past recommendations for science integration
 - Ways program receives feedback on how science is used in decision-making
 - Workforce to support science integration for decision making
3. Identification of any follow-up actions

Planned participants

EPA Region 5

Mr. Doug Ballotti, Deputy Director Superfund Division
Mr. Jose Cisneros, Remediation and Reuse Branch Chief, Land and Chemicals Division
Mr. Dave Cowgill, Program Manager, Great Lakes National Program Office
Ms. Jerri-Anne Garl, Materials Management Branch Chief, LCD
Ms. Linda Holst, Water Quality Branch Chief, Water Division
Ms. Mardi Klevs, Chemicals Management Branch Chief, LCD
Mr. Dean Maraldo, Wetlands and Watersheds Deputy Branch Chief, Water Division
Mr. Bruce Sypniewski, Deputy Director Air and Radiation Division
Ms. MaryPat Tyson, Air Toxics and Assessment Branch Chief, Air and Radiation Division
Dr. Alan Walts, Director Office of Enforcement and Compliance
Mr. Dennis Wesolowski, Director Chicago Regional Lab

SAB Committee on Science Integration Committee Members

Dr. James Johnson, Howard University
Dr. Catherine Kling, Iowa State University

SAB Staff Office

Dr. Anthony Maciorowski, Deputy Director
Dr. Angela Nugent, Designated Federal Officer

Biosketches of Region 5 SAB Managers Focus Group Participants

Doug Ballotti is the Deputy Director of the Superfund Division for Region 5. Mr. Ballotti has been with USEPA for approximately 20 years and has an undergraduate degree in geological sciences. Mr. Ballotti began his career with USEPA as a remedial project manager in the Superfund program, primarily focused on enforcement lead sites. In addition, his staff work also includes experience as an on-scene coordinator in the Emergency Response program. Mr. Ballotti was a first-line supervisor in the remedial program for approximately 4 years prior to becoming the enforcement coordinator for the Superfund Division. Mr. Ballotti has been in his current position for the past 5 years. In his capacity as Deputy Director, Mr. Ballotti is responsible for the strategic direction of the division, human capital and financial resources within the division.

Jose Cisneros manages the Remediation and Reuse Branch (RRB), within the Land and Chemicals Division. The RRB is responsible for RCRA Brownfields, Land Revitalization, and the RCRA C and TSCA Remediation programs. As part of the Corrective Action program, the Branch conducts risk assessments and reviews technical documents submitted by companies as part of remediation projects, as well as negotiating use of science and technology as part of clean-ups.

David C. Cowgill is an environmental scientist and Program Manager with the U.S. Environmental Protection Agency's Great Lakes National Program Office in Chicago, Illinois. He is Chief of the Technical Assistance and Analysis Branch. His management areas of responsibility include contaminated sediment assessment and remediation (including implementation of the Great Lake Legacy Act), ecological protection and restoration, information management and data integration, and coordination of the Great Lakes Human Health Network with Canada. The Great Lakes National Program Office (GLNPO) is responsible for developing and coordinating the implementation of programs and plans to address the environmental issues confronting the Great Lakes, and overseeing implementation of the Great Lakes Water Quality Agreement with Canada. He has a Master of Science in Environmental Science degree and Bachelor's degree from Indiana University in Bloomington, Indiana.

Jeri-Anne Garl has served as Chief of the Materials Management Branch in Region 5's Land and Chemicals Division since September 2007. Her responsibilities include EPA's Resource Conservation Challenge, a set of initiatives that support municipal and industrial waste recycling, reduction of priority chemicals and fostering sustainable materials management. In addition, she manages the Region's pollution prevention program and supports state and tribal non-hazardous solid waste programs. From 1995 to 2007, Jerri directed the Office of Science, Ecosystems and Communities, managing the Region's cross-program science, innovation and National Environmental Policy Act (NEPA) review programs. During her tenure, the Office established the Great Cities Partnership Program, led the Regional Applied Research Effort (RARE), quality assurance and information quality programs and advanced numerous, innovative community, ecosystem and sector-based initiatives. Previously, Jerri served as chief of the Ground Water Protection Branch, working with states to develop wellhead protection

programs, ground water standards and sole source aquifer designations. Jerri has a bachelor of science in geology from Ohio University and attended graduate school in hydrogeology at Kent State University.

Linda Holst is the Chief of the Water Quality Branch at the U.S. Environmental Protection Agency Region 5 in Chicago. She oversees and manages the Branch's water quality standards, monitoring, and assessment programs and information technology support. Linda has 20 years of experience at EPA, including the water quality standards and contaminated sediment programs. She spent two years in EPA's Philadelphia Office (Region 3) as a water quality standards coordinator. Linda also worked two years at the U.S. Fish and Wildlife Service as a contaminants liaison. Linda has a Master of Science degree in Fisheries and Wildlife from Michigan State University, and a Bachelor of Science degree in Zoology from the University of Wisconsin-Madison.

Mardi Klevs is the Chief of the Chemicals Management Branch in Region 5's Land and Chemicals Division. The branch's programs cover toxics chemicals and pesticides, and management of the TSCA and FIFRA programs. She is an environmental engineer, with a M.S. in Environmental Engineering from the Illinois Institute of Technology. Prior to entering the environmental field, Mardi taught history and political science at the college level. She has a M.A. from the University of Minnesota in History and a B.A. from the University of California at Berkeley in Sociology.

Dean Maraldo is the Deputy Chief of the Watersheds and Wetlands Branch at the U.S. Environmental Protection Agency Region 5 in Chicago. Mr. Maraldo manages the Total Maximum Daily Load (TMDL) and Nonpoint Source Programs. He joined EPA in 1997. Prior to his work in EPA's Chicago Regional office, Mr. Maraldo served as an emergency and remedial response coordinator for EPA's New York City Regional office. Prior to EPA, he spent several years working as a geomorphologist in the private sector. As a graduate research assistant in the Geological Sciences program at the University of New York at Buffalo he studied the effects of climate change in the Prince William Sound area of south-central Alaska.

Bruce Sypniewski is the Deputy Director of the Region 5's Air and Radiation Division (ARD) and has over 25 years experience working in various regulatory, environmental programs. In this capacity, he serves as key advisor to the ARD Director and participates fully with the Director to implement the provisions of the Clean Air Act (CAA) in Region 5 as well as administers the Agency's responsibilities for controlling air pollution and radiation exposure. The ARD is responsible for managing all technical, enforcement and administrative aspects of the CAA as well as the voluntary climate change and indoor air programs within Region 5. The ARD also provides program guidance and technical assistance to state, local and tribal air quality and radiation control agencies and, when appropriate, takes direct federal action. Mr. Sypniewski was also the Deputy Director of the Land and Chemicals Division (LCD), Region 5, U.S. EPA. He worked directly with the LCD Director on the regional implementation of several EPA program areas including the regulatory program development, permitting and enforcement of the Resource Conservation and Recovery Act (RCRA), the Toxic Substances Control Act

(TSCA), the pollution prevention (P2) program, the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), Underground Storage Tanks/Leaking Underground Storage Tanks (UST/LUST) program and the Toxic Release Inventory (TRI) portion of Emergency Planning and community Right-to-know Act (EPCRA). Bruce graduated from Knox College, Galesburg, IL and has a Masters of Science Degree in Geology from Kent State University, Kent, OH.

Mary P. Tyson is a Branch Chief with Region 5's Air and Radiation Division. She currently manages staff responsible for Climate Change and Energy Efficiency programs, ambient air monitoring, modeling, Quality Assurance, indoor air, air toxics, radon, and radiation programs. Prior to this, she managed the Region's Water grant programs, with an annual budget of about \$500 Million. She was also responsible for the Superfund remedial response program work for about 70 sites in the Region. She has over 26 years of experience on projects and policy covering Superfund, Water and Air programs. She is an experienced facilitator and a certified mediator.

Alan Walts is the Director of Region 5's Office of Enforcement and Compliance Assurance (OECA). Located within the Office of Regional Administrator, OECA coordinates Region 5's enforcement program activities; and participates in stewardship program implementation; and manages Region 5's Environmental Justice and National Environmental Policy Act (NEPA) programs. Alan received his J.D. from University of Michigan Law School in 1995. From 1996-2007, he was a staff attorney in U.S. EPA Region 5's Office of Regional Counsel. .

Dennis Wesolowski is the Director of the Chicago Regional Laboratory in EPA Region 5. He has a BS in Chemistry from Indiana University and a MS in Chemistry from DePaul University. His 38 years of experience includes environmental analytical chemistry in private industry and governmental labs at the Municipal, State and Federal levels. His positions in EPA included working with Superfund analytical services, managing the Toxic Release Inventory and doing quality assurance for Water Programs and as the QA Manager for Region 5 before becoming Lab Director in 2000. Besides supporting all regional program media with analytical data, the Chicago Regional Lab provides chemical analytical method development for emerging contaminants of concern such as endocrine disrupting compounds for the Office of Water and chemical threat agents for the National Homeland Security Research Center, Office of Emergency Management and Water Security Division. A working relationship is maintained with ORD labs in method development and environmental projects and studies.

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Meeting with Region 5 Scientific Staff
Metcalf Federal Building at 77 West Jackson Blvd. in Chicago, Illinois
Conference Room 1932
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January 22, 2010, 1:30 p.m. - 3:00 p.m.
Draft Agenda**

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 - Ways program receives feedback on how science is used in decision-making
 - Workforce to support science integration for decision making
3. Identification of any follow-up actions

Planned participants

EPA Region 5

Dr. Carole Braverman, ORD Regional Science Liaison
Dr. James Chapman, Ecologist, Superfund Division
Mr. Chris Choi, Superfund Division
Dr. Milton Clark .Senior Health and Science Advisor
Mr. Michael Compher, Environmental Scientist, Air and Radiation Division.
Ms. Kimberly Harris, Team leader for the multimedia perfluorinated chemicals (PFC) team in the Water Division.
Dr. Mario Mangino, Toxicologist and risk assessment specialist, Land & Chemicals Division
Dr. Charles Maurice, Superfund and Technology Liaison (STL)
Ms. Eloise Mulford, Program Analyst, EPA Region 5 Indian Environmental Office
Mr. Bob Newport, Environmental Protection Specialist, Water Division
Ms. Michele Know Palmer, Region 5's Science and Technology Coordinator
Mr. Randy Robinson, Regional Meteorologist, Air and Radiation Division
Mr. Paul Ruesch, Environmental engineer, Land & Chemicals Division

SAB Committee on Science Integration Committee Members

Dr. James Johnson, Howard University
Dr. Catherine Kling, Iowa State University
Dr. Thomas Theis, University of Illinois at Chicago

SAB Staff Office

Dr. Anthony Maciorowski, Deputy Director
Dr. Angela Nugent, Designated Federal Officer

Biosketches of Region 5 SAB Focus Group Staff Participants

Carole Braverman is the Regional Science Liaison to the Office of Research and Development. She joined Region 5 in 1988 as a toxicologist providing expert advice and training on the topics of risk assessment and risk communication and served as the Region's Senior Risk Assessor. She left the Agency in 2002 following the adoption of her children and returned to Region 5 in April 2009. Carole has a BS in Microbiology from University of Michigan and a Ph.D. in Experimental Pathology from Northwestern University.

James Chapman is an ecologist in the Superfund Division, providing support to RPMs and OSCs for ecological risk and other ecological issues. He has a PhD in resources management and a BS in biology from SUNY College of Environmental Science and Forestry at Syracuse, New York; and a MS in science and policy from Washington University, St. Louis, Missouri

Chris Choi works on land revitalization, green building, and sustainable development issues within Region 5's Superfund Division in Chicago. His recent work includes managing Region 5's "Removing Market Barriers to Green Development" project, which examines market-based solutions to green development barriers. Prior to his current position at EPA, Chris worked on strategic planning and process design for financial services and manufacturing companies.

Milt Clark Dr. Milton Clark is Senior Health and Science Advisor for the U.S. Environmental Protection Agency in Chicago. He is also a Professor of Environmental and Occupational Health Sciences at the University of Illinois School of Public Health. In his 25 year career at EPA, Dr. Clark has led efforts to solve some of most challenging environmental problems in the Great Lakes region, especially the cleanup of contaminated rivers and harbors. He is on the Science Advisory Board of the International Joint Commission which provides guidance to the U.S. and Canada on Great Lakes issues. He is the recipient of three national EPA gold medals for excellence in environmental protection. He frequently lectures on environmental topics ranging from the health and ecological impacts of toxic pollution to global warming. Dr. Clark is also the recipient of Outstanding Teacher of the Year from the Illinois School of Public Year.

Michael Compher is an Environmental Scientist in the Region 5 Air and Radiation Division. His duties in the Air Monitoring and Analysis Section include providing data analysis support for EPA's regulatory decisions as well as assisting State, local and tribal monitoring agencies implement their criteria pollutant ambient air monitoring programs. Michael received a M.S. in Environmental Health from the University of Washington's School of Public Health and a B.S. in Environmental Science from the University of the Ozarks. Michael has worked at the EPA for 10 years, serving in several different capacities. Joining the Agency in 1999 through the EPA Intern Program, he was a program analyst in the Office of Regional Council and completed a detail in the EPA's

Office of Communications, Education, and Media Relations. After the 2 year intern program, he joined the Ambient Air Monitoring Section. Michael is currently temporarily detailed as the Acting Deputy Branch Chief of the State and Tribal Programs Branch in the Region 5 Water Division, which manages the grants for the Division.

Kimberly Harris has been a scientist with the U.S. Environmental Protection Agency Region 5 in Chicago for 20 years, and currently serves as the regional team leader for the multimedia perfluorinated chemicals (PFC) team in the Water Division. Her team is involved with various activities that contribute to the national effort in evaluating PFC exposure and risks. Additionally, Kim is the health effects specialist in the drinking water program, working on various microbial and risk management issues, and assisting with national regulation development. She received a B.S. in bacteriology from the University of Wisconsin-Madison and is pursuing her MPH in Environmental and Occupational Public Health from the University of Illinois-Chicago.

Mario Mangino has worked at the U.S. Environmental Protection Agency - Chicago Region 5 office since 1993. He serves as a Toxicologist and risk assessment specialist in the Land & Chemicals Division. His primary duties at EPA are: 1) Review of health risk assessments for investigation and cleanup of chemical releases at industrial sites under the Resource Conservation and Recovery Act (RCRA) Program and the PCB Remediation Program; 2) Review and development of health risk assessments for hazardous waste combustion facilities [e.g., commercial incinerators, cement kilns]; 3) Design and conduct of risk assessments for non-RCRA projects [e.g., sediment disposal; Title VI Civil Rights complaints]; and 4) Responding to EPA staff and citizen inquiries on health risk assessment and chemical exposure-toxicity concerns. Before joining the EPA, he served as a post-doctoral fellow and research associate at the Northwestern University Medical School in Chicago. At Northwestern, he performed biochemical and cellular studies on the mechanism of action of chemicals that can induce pancreatic and liver cancer. His original academic background is in organic chemistry. He received a Ph.D. degree from Oregon State University in the field of food science/food toxicology.

Charles Maurice is a Superfund and Technology Liaison (STL) within the Office of Science Policy (OSP) of the Office of Research and Development (ORD). He is embedded in the EPA Region 5 Superfund Division (SFD) to serve as a nexus between ORD and Region 5. Dr. Maurice provides technical support regarding hazardous substances both through his own expertise as an ecological risk assessor and by coordinating with other ORD scientists. He also communicates scientific developments and advances to Region 5 and, conversely, brings regional research priorities and needs to ORD. Prior to joining ORD, Dr. Maurice served as an ecologist and ecological risk assessor in Region 5's Office of Strategic Environmental Analysis, Critical Ecosystems Team, and RCRA Program. Prior to joining EPA, Dr. Maurice was a senior ecologist and ecological risk assessor for the Superfund contractor Ecology and Environment, Inc. He earned a B.S. degree in environmental biology from Eastern Illinois University, M.S. degree in biological sciences from Bowling Green State University, and Ph.D. in plant biology from the University of Illinois at Urbana-Champaign.

Eloise Mulford: Eloise Mulford serves as a Program Analyst for the EPA Region 5 Indian Environmental Office, and is a member of the EPA Office of Research and Development's Tribal Science Council. In both capacities, she works on environmental issues affecting federally recognized tribes. She recently served on the EPA's Risk Assessment Forum where she continues to provide input into the revision of EPA's Exposure Assessment Guideline.

Bob Newport is an Environmental Protection Specialist in the Region 5 Water Division.. He works with States, regional agencies, and local units of government on issues related to land use, development practices, and stormwater management. He leads and participates in activities in the Region related to Low Impact Development and Green Infrastructure. Bob works closely with EPA's Brownfields and Land Revitalization programs on the sustainable redevelopment of Brownfield sites, vacant properties, and other infill parcels. Bob is also part of a team in the Chicago office working to implement the Agency's "Sustainable Infrastructure" initiative. Bob has a Bachelor's degree from Roosevelt University in Public Administration, a Bachelor's degree from Northwestern University in Economics, and a Master's degree from the University of Illinois at Chicago in Urban Planning and Policy.

Michele Know Palmer is Region 5's Science and Technology Coordinator. Michele joined EPA in 1995 as an environmental engineer working on carbon monoxide redesignations in Region 8's Air Program. In 1997 she transferred to Region 5 Air Program and began to work on Air Toxics. She has served in her current position of Region 5 Science and Technology Coordinator since 2008. She received a B.S. from Duke University in Chemistry in 1986 and an M.S. from Massachusetts Institute of Technology in Environmental Engineering in 1991.

Randy Robinson: Randy Robinson currently serves as the Regional Meteorologist for the Air and Radiation Division of Region 5. He joined EPA in 1991 and has been Regional Meteorologist since 1997. Duties primarily involve air quality modeling review, assistance, and issue resolution impacting both criteria pollutant and air toxic program areas. He currently co-chairs two national workgroups dealing with dispersion modeling issues. Mr. Robinson has a B.A. degree in business marketing from the University of Northern Iowa; a B.S. degree in meteorology and a M.S. degree in meteorology from the geography department at Northern Illinois University.

Paul Ruesch is an environmental engineer in Region 5's Materials Management Branch in the Land & Chemicals Division. Paul's principal responsibilities include implementation of the Resource Conservation and Recovery Act, recycling initiatives, illegal dumping prevention, addressing problem waste management sites, disaster debris management, and the design and implementation community-based environmental projects. Paul obtained a Bachelor of Science Degree in Civil Engineering from the University of Notre Dame in 1991.

Maryann Suero is an Environmental Health Scientist and Children's Health program manager for EPA Region 5. In this role, she builds capacity and provides technical assistance for children's health to federal, state, tribal, and local agency and community and advocacy partners. She has worked for EPA for 13 years, in both the Air program where she was instrumental in the design of the state-implemented PM 2.5 monitoring networks, and in the Children's Health program. Most recently she led a community-based project in West Michigan, which worked to achieve a more holistic approach to children's environmental health through the promotion and realization of healthier homes, childcare facilities, and school environments. Dr. Suero received a BS in Chemistry and an MS in Applied Analytical Chemistry / Forensic Sciences from University of Illinois, Chicago, and a PhD in Public Health Sciences, from the Division of Environmental and Occupational Health Sciences, University of Illinois, School of Public Health. Before coming to EPA, she worked as a Forensic Toxicologist for the Cook County Medical Examiner's Office, Chicago, IL. She also has extensive experience in exposure assessment, primarily in indoor environments, applicable to workplace, home and school settings.

Louann Unger is an Environmental Engineer in the Water Division where she evaluates state programs and NPDES discharge permits. For the past year, Louann has been coordinating regulatory programs and public outreach efforts to improve water infrastructure sustainability. Sustainability topics include asset management at water and wastewater facilities, energy efficiency in the water sector, water conservation practices, financing incentives and green infrastructure. Louann earned a Master's Degree in Environmental Engineering from the Illinois Institute of Technology and began her EPA career in 1983 working on Clean Water Act enforcement and compliance. She started her career with the Illinois EPA and has also worked in environmental consulting and education.

Luanne Vanderpool is a geologist for the Superfund program where she has provided technical support for over twenty years in the fields of geology and hydrogeology for hazardous waste sites in the Remedial, Emergency and Brownfields programs. She is also active on the national Ground Water Forum (completing a two-year term as co-chair during FY09) and has played a major role developing technical guidance related to monitored natural attenuation and capture zone analysis. Prior to working at U.S. EPA, for ten years Luanne was a professor at the University of Illinois-Chicago, Department of Geological Sciences, developing and teaching graduate and undergraduate level geology courses, directing research projects and supervising graduate students. She has a bachelor degree in geology from Michigan State University and a PhD in Geology from Stanford University.



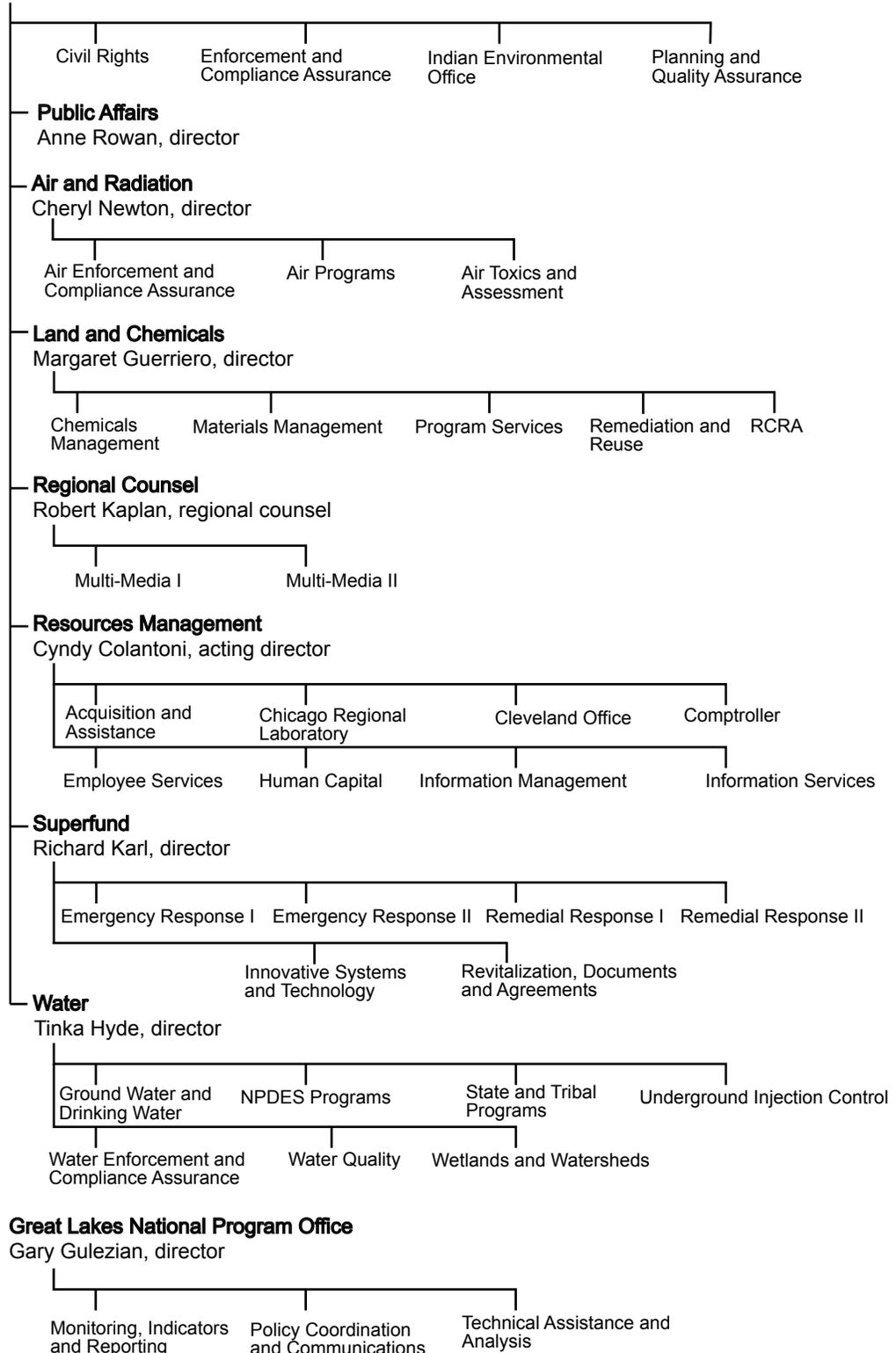
United States Environmental Protection Agency

Region 5

July 2009

Regional Administrator

Bharat Mathur, acting regional administrator
 Walter Kovalick, acting deputy regional administrator



U.S. Environmental Protection Agency: Region 5 Background

Region 5



Environmental Protection Workforce in Region 5

- U.S. EPA - 17,000+ employees
- U.S. EPA Chicago Regional Office has about 1200 employees
- Works with the six Midwestern states—
Ohio, Indiana, Illinois, Michigan,
Minnesota, and Wisconsin
- How many employees do these state
environmental agencies have?
- **8,000**

US EPA – Region 5

- 6 States
 - Illinois, Indiana, Ohio, Michigan, Minnesota, Wisconsin
 - Population 51.5 million (17% US total)
 - 4 of the 15 largest cities in the US; Chicago is third largest @ 9.5 million (metro area)
 - 18% of US gross domestic product (\$1728B)
 - 44% of all automobile manufacturing in US

Region 5 (cont.)

- Transportation
 - 24.6 million registered autos; 14% of US total
 - 2nd busiest airport in world (Chicago) in both take-off/landings and passenger traffic
 - 20% of national trucking revenue
 - Busiest rail hub in US--50% of all rail freight traffic passing through Chicago
 - Largest intermodal container handling city in Western Hemisphere; fifth in world after Hong Kong, Singapore, and three in China

Region 5 (cont.)

- Agriculture
 - Three of top five US states for corn production
- Energy
 - 15 nuclear power plants (of 65 in US)
 - ~35% of new coal fired power plants are proposed in upper Midwest

Region 5 (cont.)

■ Environmental topics

- Great Lakes are largest system of fresh surface water in the world
 - Contain 20% of world's supply of fresh surface water
 - Home to 33 million people
 - Source of drinking water to over 25 million people
- 39% of children (310K tested in US) blood lead levels exceeding Centers for Disease Control levels
- Largest number of Superfund (abandoned waste sites in US (280); also largest number of sites with construction completed

Region 5—Great Lakes governance



Region 5 Priorities

- The Regional Priorities are critical areas where Region 5 will invest additional human and financial resources to accelerate progress;
- Nine priorities in four distinct areas:
 - Regulatory Programs
 - Stewardship Pillars
 - Homeland Security
 - Human Capital

Region 5 Priorities Regulatory Programs

Regulatory Programs:

- Relies on traditional “core” regulatory programs to address significant region-wide issues
 - Midwest Air Quality
 - Nutrient Reduction in the Upper Mississippi River Basin
 - Reducing Elevated Blood Lead Levels in Children

Region 5 Priorities Stewardship Pillars

The Stewardship Pillars were developed to foster “green” activities and approaches beyond those required by law but critical to improving human health and the environment:

- Climate Change
- Green Buildings / Sustainable Development
- Sustainable Water Infrastructure
- Green Venues / Sustainable Materials

Regional Priorities

Homeland Security and Human Capital

- Homeland Security: Emphasizes the role preventing, preparing for and/or responding to manmade and natural disasters
- Human Capital: Region 5 is investing in its staff to ensure
 - Staff are well trained
 - Have the tools needed to succeed
 - Have a professional work environment to make it an employer of choice