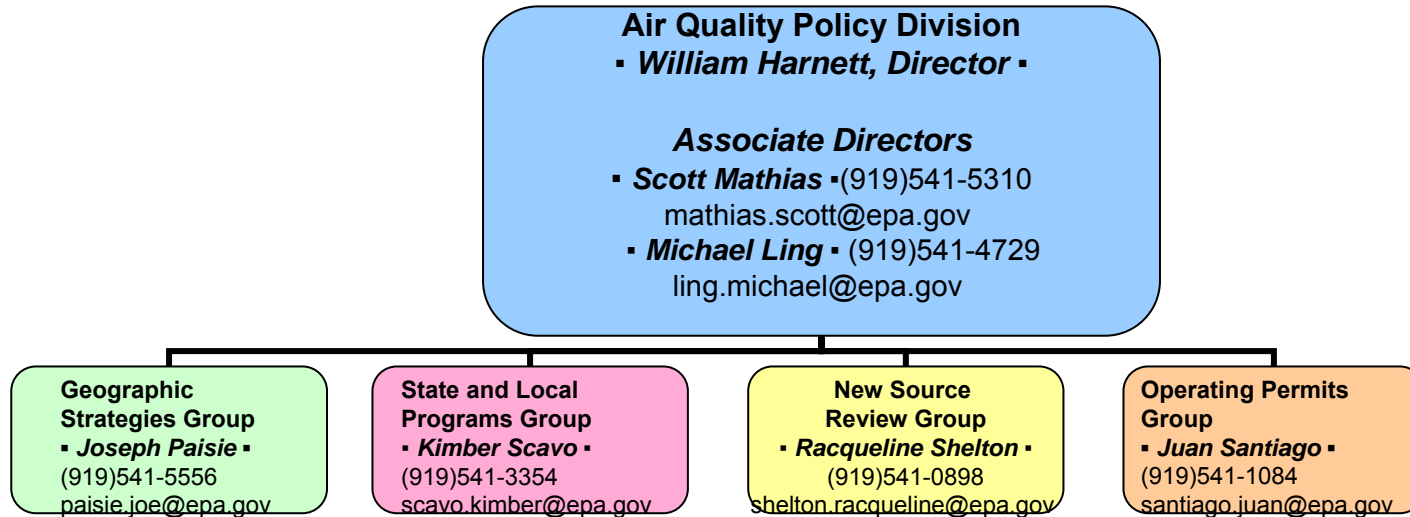


Air Quality Policy Division

Bill Harnett, Director

April 2006



Mission: AQPD develops policies and strategies for integrated air quality management of criteria pollutant and hazardous air pollutant programs, targeted, as appropriate, to local, State, regional, national, and multi-national scale air quality issues. AQPD develops attainment and maintenance policies and strategies, and implementation programs under Part D of Title I of the Clean Air Act, to guide the implementation efforts of the EPA Regional Offices and State, local, and Tribal agencies. AQPD manages and assures the integration of the national air quality permit programs, including operating permits and pre-construction permits (new source review and prevention of significant deterioration).

AQPD Activities of Interest

- 8-hr Ozone and PM_{2.5} Implementation
- NSR
 - Debottlenecking/Aggregation
 - Electric Utility Emission Test
 - Potential to Emit Rule
 - Chemical Process Plant definition and Corn milling Rule
 - Tribal NSR
 - NSR Reform SIPs
- Exceptional Events Policy
- Title V Task Force Report
- ANPR on Transition to Potential New PM NAAQS
- Ozone SIPs
- Regional Haze SIPs
- PM_{2.5} SIPs

SECTOR POLICIES AND PROGRAMS DIVISION

Peter Tsirigotis, Director
April 2006

Sector Policies and Program Division (SPPD)

- Coatings and Chemicals Group – KC Hustvedt
- Natural Resources and Commerce Group – Robin Dunkins
- Energy Strategies Group – Bob Wayland
- Metals and Minerals Group – Steve Fruh
- Measurement Policy Group – David Cozzie/Barrett Parker
- Program Design Group – Elaine Manning

Function of SPPD

- Sector-focused as opposed to toxics-focused
- Lead the development of comprehensive and cost-effective emission reduction strategies and regulations
- Holistically considers the entire constellation of processes, pollutants and emitting activities that comprise an industry

Pulp and Paper Sector Strategy

- Develop a menu of emission reduction strategies and/or policy options for the pulp and paper industry
- Respond to AQM / CAAAC Recommendation 2.7
- Utilize experience with pilot project to develop:
 - OAQPS sector program design strategy
 - Streamlined stakeholder input process
 - Comprehensive data matrix / data compilation tool designed for pursuing additional sector strategies

Air Toxics

- Penny Lassiter is the Air Toxics Coordinator for OAQPS
- Roles of Other Divisions
 - Outreach and Information Division – Greg Green
 - Urban Air Toxics Strategy
 - Education and Outreach
 - Air Quality Assessment Division – Tom Curran
 - NEI
 - Monitoring and Modeling
 - Air Quality Policy Division – Bill Harnett
 - Title V
 - Permitting
 - Health and Environmental Impacts Division – Lydia Wegman
 - Risk Assessment
 - Economic Analyses

Residual Risk Program

- Completed 5 rules
- 3 more to be completed by 12/06
- We are behind statutorily on additional 15
- Explore more efficient approaches to meeting our residual risk and technology review requirements

NATA

- 2002 Improvements
 - Improved coverage, source locations, source category identification
 - Major source impacts resolved to census block level
 - Risk impacts can be mapped with nonattainment areas
- Future NATA Improvements
 - Complete harmonization of criteria, toxic emission inventories
 - Link results with multi-pathway fate and transport models
 - Include impacts from indoor source pollutants

Area Source Program

- Total of 70 source categories
 - Completed 16 to date
 - 4 have court ordered dates for proposal in 2006, promulgation in 2007
 - 50 were just given court ordered dates
- Explore more efficient approaches to completing these obligations as well
- Explore alternative approaches and voluntary incentives - Outreach and Information Division

Criteria Pollutants

- **Consumer Products VOC Rules - Section 183(e)**
 - Court ordered deadlines for 15 categories
- **New Source Performance Standards (NSPS)**
 - Completed 2 rule revisions in February; one rule now due in June
 - Propose 1 rule revision in 2006
 - Propose 1 rule revision in 2007
 - Negotiating court deadlines for 2 more reviews and revisions
- We are behind statutorily on additional 69 reviews and revisions
- Looking at ways to efficiently approach this as well

HEID Priorities and Some Highlights for 2006

Lydia Wegman

Director, Health and Environmental
Impacts Division

Priorities

- PM NAAQS final rule and Regulatory Impact Analysis to support the rule (Sept 2006)
- Ozone NAAQS Review (Staff Paper and CASAC Review Summer 2006)
- Lead NAAQS Review (Assessment plan to CASAC in May 2006; develop exposure/health/ecological assessment June-Dec 2006)
- Review of the NAAQS Review Process
- Update and implement multiyear OAQPS international program strategy
- Ecosystem and Climate strategies

Update and Implement Multiyear OAQPS International Strategy

- Develop strategic frameworks for addressing trans-boundary and hemispheric air pollution
- Characterize hemispheric air pollution impacts on the US
- Continue bilateral work with China and India

Develop and Implement OAQPS Ecosystem Strategy

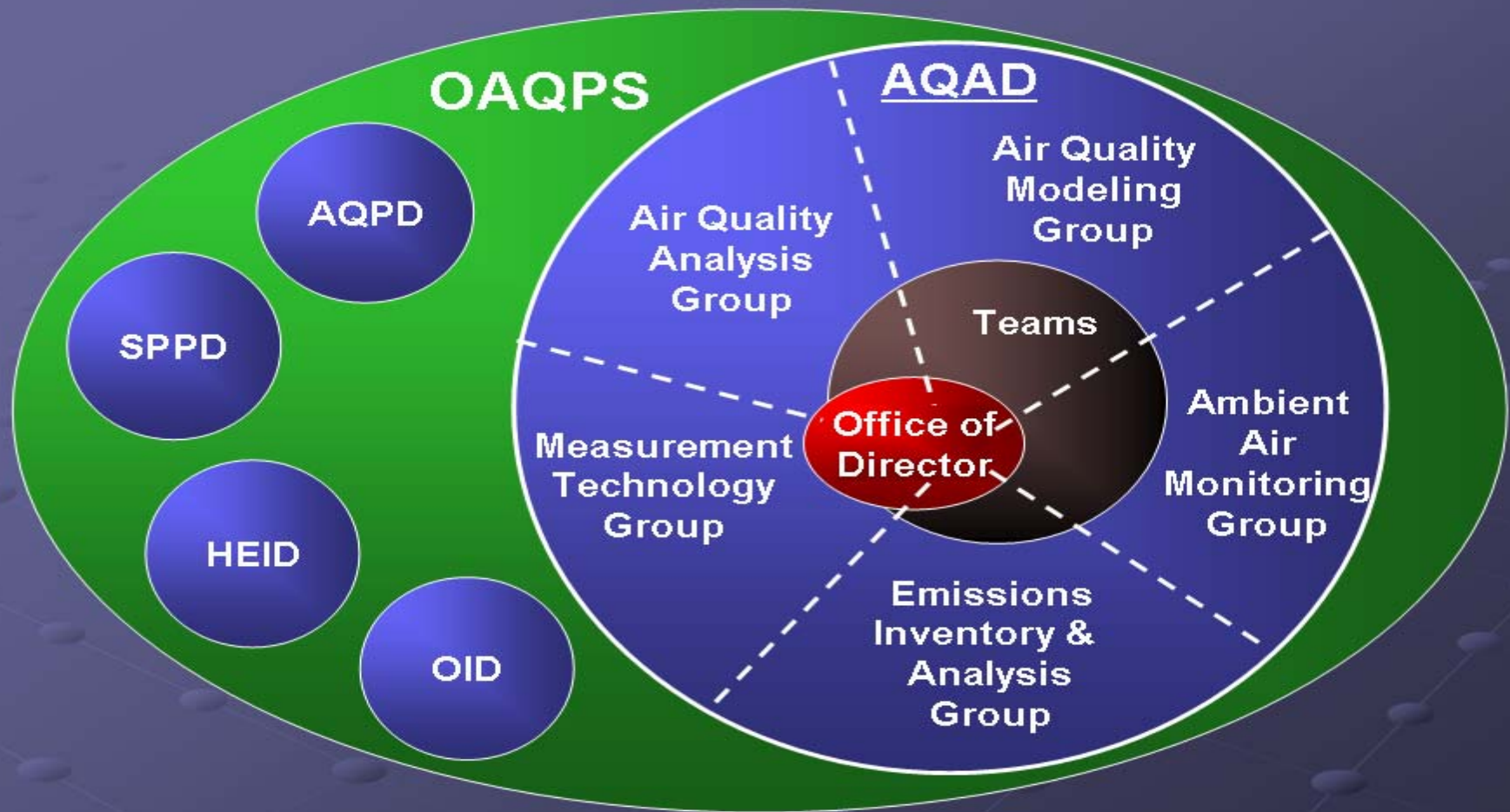
- Implement improvements to OAQPS programs for more effective ecosystem protection
- Initiate pilot project to map national sensitive ecosystem areas vulnerable to air pollutant deposition
- Develop analytical approach that combines national scale deposition models with local multimedia models
- Develop new approaches to analyze multi-pollutant impacts, especially through multimedia pathways
- Address the NAS recommendations for better ecosystem protection and accountability

Develop and Implement Multiyear OAQPS Climate Strategy

- Examine and address impacts of changing climate on air quality
- Examine and address impact of air quality on regional climate
- Assess co-benefits and dis-benefits of OAQPS actions

Air Quality Assessment Division

Tom Curran, Director
April 2006



- **Final PM NAAQS**
 - Monitoring Regulations
 - Technical Analyses
- **Funding Issues**
 - NEI
 - Monitoring
- **Multi-Pollutant Air Quality Analysis Report**

AIR Explorer

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Air Explorer is a collection of user-friendly visualization tools for air quality analysts. The tools generate maps, graphs, and data tables dynamically. Currently, the tools access ambient concentration data from EPA's [Air Quality System \(AQS\)](#). The criteria pollutant data were updated on March 2, 2006. The PM2.5 speciation data were updated on March 8, 2006. The benzene data were updated on February 25, 2005. This is a developmental site. We are continually designing and implementing innovative tools for analyzing and communicating air quality information.

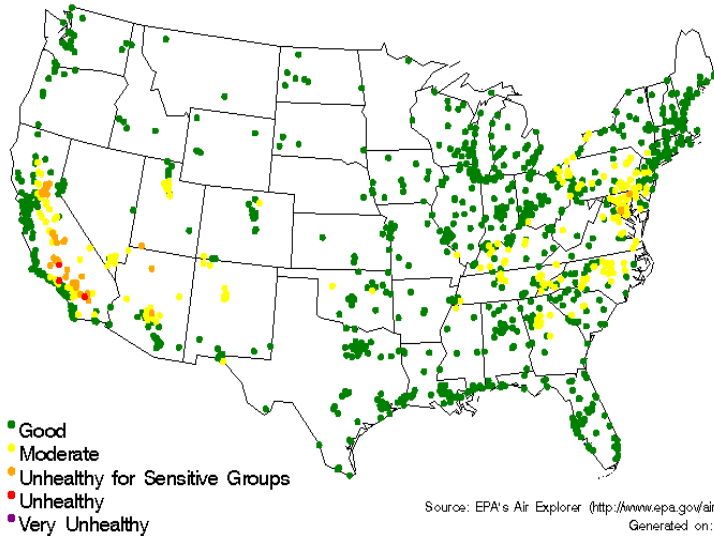
UPDATE (3/8/2006) The PM2.5 speciation data were updated.
UPDATE (3/2/2006) The criteria pollutant data were updated.

MAPS	GRAPHS	DATA
Map One Day Generate a three-dimensional, interactive map of daily pollutant concentrations	Plot Concentrations Generate a time series plot for a specific location and time period	Query Concentrations View or download daily concentrations for a specific location and time period
Map Several Days Generate an animated series of daily concentration maps for a specific time period	Plot AQI Values Plot PM2.5 and Ozone AQI values for a specific location and time period	Query Speciation Data View or download daily PM2.5 speciation data for a specific location and time period
Tile AQI Values Plot daily AQI values for a specific location and time	Plot Speciation Data Plot daily PM2.5 speciation data for a specific location	Query Benzene Data View or download benzene data for a specific location

Local intranet

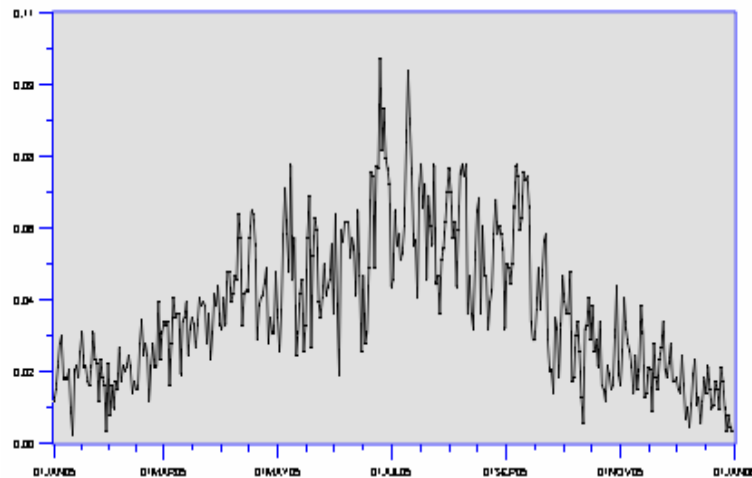
<http://www.epa.gov/airexplorer>

Ozone AQI Values by site on 07/01/2005

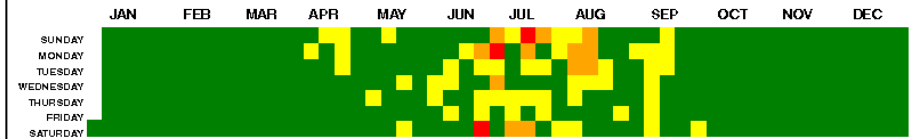


Source: EPA's Air Explorer (<http://www.epa.gov/airexplorer/>)
Generated on: 14APR06

Concentration, ppm



Daily Ozone AQI Levels in 2005
Chicago, IL



Green	Good (<= 0.064 ppm)	308 days
Yellow	Moderate (0.065–0.084 ppm)	42 days
Orange	Unhealthy for Sensitive Groups (0.085–0.104 ppm)	13 days
Red	Unhealthy (0.105–0.124 ppm)	2 days
Purple	Very Unhealthy (>= 0.125 ppm)	0 days

Source: EPA's Air Explorer (<http://www.epa.gov/airexplorer/>)
Generated on: 14APR06

Outreach and Information Division

Greg Green, Director
April 2006

Outreach and Information Division

Karen Blanchard
Leigh Herrington

- **Gregory Green** ▪
Danielle Dixon
- **Chet Wayland** ▪
Debbie McGaha

Community and Tribal Programs Group

- **Laura McKelvey** ▪
Cassie Posey

Annabelle Allison
Candace Carraway
Yvonne Chandler
Yvonne Johnson
Tami Laplante
Mark Sendzik
Chris Stoneman
Ingrid Ward
Jeffrey Whitlow
Holly Wilson

Voluntary and Innovative Programs Group

- **Chebryll Edwards** ▪
Christine Adams

Amanda Aldridge
Gary Blais
Larry Brockman
David Cole
Eric Crump
Michele Dubow
Jan King
Nancy Mayer
Melissa McCullough
Gil Wood

Outreach Group

- **Debbie Stackhouse** ▪
Pat Finch

Kristen Bremer
Deborah Miller
Marie Noell
Melissa Payne
Donna Rogers
Ellen Wildermann

Information Transfer Group

- **Phil Dickerson** ▪

Rick Copland
Deborah Elmore
Scott Jackson
Brad Johns
Mike Letke
Nancy Pate
Lori Tussey
John White
Rob Wildermann

National Air Data Group

- **Ed Lillis** ▪

Virginia Ambrose
Bill Frietsche
Michael Hamlin
Martin Husk
Jerry Husketh
Charles Isbell
Bonnie Johnson
Nick Mangus
Jonathan Miller
Jake Summers

Functions

- **Community & Tribal Programs Group**
 - Conducts planning and program development with tribes and communities
 - Provides technical tools and assistance
 - Develop reduction strategies for Area Source Program
- **Voluntary & Innovative Programs Group**
 - Removes regulatory barriers
 - Develops more flexible approaches
 - Implement voluntary programs

Functions

- **Outreach Group**
 - Develops education resources
 - Develops and implements communication strategies
 - Focal point for marketing OAQPS services & programs
- **Information Transfer Group**
 - Maintains AIRNow, Enviroflash, and numerous websites
 - Meets program needs in information technology
- **National Air Data Group**
 - Develops and operates air quality data system
 - Develops and operates national emissions inventory system

Projects Likely To Interest STAPPA/ALAPCO

- Air Awareness Week
- Woodstove Changeout Campaign
- Outdoor Wood Boilers
- SIP Improvement Process
- Performance Based Area Source Program
- Enviroflash / Air Quality Awareness Week
- Emissions Inventory System Improvement
- Air Innovations Conference