



Exchange Network National Meeting

April 28, 2009 – April 30, 2009

Westin Peachtree Plaza, Atlanta, Georgia

Monday, April 27, 2009

5:30 – 7:00 PM 6 th Floor Vinings Room	Pre-Meeting Reception & Pre-Registration Stop by and meet your fellow members of the Exchange Network community and pick up your registration materials for the next morning.
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Tuesday, April 28, 2009

7:30 – 9:30 AM 9 th Floor	General Registration and Continental Breakfast
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8:00 – 9:00 AM 7 th Floor Augusta I & II	<u>Pre-Meeting Session</u> Demystifying the Exchange Network <i>Tom Aten, Wisconsin DNR Dennis Murphy, Delaware DNREC</i> This session targets newcomers to the Network. Those more familiar with the basic concepts of the Network may wish to use this time for networking with other users. The session will provide a basic overview of Nodes, XML, and web services. The material will cater to those attendees that are less familiar with the Exchange Network or have a background in something other than information technology.
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9:30 AM – 12:00 PM 10 th Floor Plaza Ballroom	General Session
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9:30 – 9:45	Welcome to Atlanta
9:45 – 10:15	Opening Keynote Address <i>Mike Linder – Director, Nebraska DEQ</i> <i>President of the Environmental Council of the States (ECOS)</i>
10:15 – 11:15	State of the Network and Priorities for the Next Year <i>Karen Basset – Deputy Director, Arkansas DEQ</i> <i>Linda Travers – Acting Assistant Administrator for Environmental Information, U.S. EPA</i> <i>Mitch West, Exchange Network Coordinator</i>
11:15 – 12:00	Successful Transitions to the Exchange Network: Building Partnerships Between Programs & IT <i>Panelists: Brandon Harris, Texas CEQ</i> <i>Eleanor Howe, Massachusetts DEP</i> <i>Dennis Murphy, Delaware DNREC</i> <i>Miles Neale, Washington Ecology</i> <i>Moderator: Lisa Schlosser, U.S. EPA OEI</i>
12:00 – 1:30	Lunch - on your own

<p>Track 1: Waste and Toxics 10th Floor</p>	<p>Track 2: Better Access and Better Data 6th Floor</p>	<p>Track 3: Network Tools and Technology 7th Floor</p>
<p>1:30 – 3:15 Room: Plaza Ballroom <i>Moderator: Kurt Rakouskas, ECOS</i></p> <ul style="list-style-type: none"> <p>RCRAInfo Data Exchange <i>Dwane Young, U.S. EPA ORCR</i> In December 2008, EPA released RCRAInfo v4.0. EPA is updating the RCRA data exchange so that users can continue to submit data via the EN. This session will provide an update on the v4 modifications and submission process and discuss the plans, schedule and impacts of RCRAInfo v5.</p> <p>e-Manifest Pilot Project <i>Mike Beaulac, Michigan DEQ</i> <i>Jason Bunker, Windsor Solutions</i> This presentation will include a live demonstration of an electronic manifest pilot project that used the Exchange Network for cradle-to-grave hazardous waste management. The pilot: 1) demonstrated burden reduction by eliminating paper based processes where possible; 2) provided comprehensive and timely data access; and 3) complemented the current federal rulemaking process for implementation of a national e-Manifest system.</p> <p>Toxic Release Inventory State Data Exchange <i>Juan Parra, U.S. EPA OEI</i> The TRI exchange allows EPA's Central Data Exchange (CDX) to automatically forward copies of electronic TRI submissions to state Exchange Network Nodes. This allows states to electronically receive raw TRI data in real time and also reduces the reporting burden on facilities, since they can make simultaneous submissions to U.S. EPA and their state agency.</p> 	<p>1:30 – 3:15 Room: International B & C <i>Moderator: Dennis Burling, Nebraska DEQ</i></p> <ul style="list-style-type: none"> <p>Facility Information <i>Dennis Burling, Nebraska DEQ</i> Learn more about Facility ID 3.0—the updated version of the Facility ID data exchange.</p> <p>Substance Registry System <i>John Harman, U.S. EPA OEI</i> <i>Miles Neale, Washington Department of Ecology</i> Learn about the benefits of using the Exchange Network to access data on regulated and monitored substances from U.S. EPA's Substance Registry System (SRS).</p> <p>MassAir – MassDEP's Approach to Real-Time Air Quality Data Sharing <i>Eleanor Howe, Massachusetts DEP</i> MassDEP has created a new, real-time data sharing website, MassAir, using the AQS framework and other Exchange Network technologies. To improve the accuracy of their data, MassDEP also developed a suite of quality assurance tools that replace manual workflow. A simple website content management tool was integrated into the tool suite, allowing the Air program staff to customize much of the site with ease. Additionally, MassDEP has established a node-to-node data transfer flow using the AQS schema and expects to increase the timeliness of submission as a result of the QA tools.</p> 	<p>1:30 – 3:15 Room: Augusta I & II <i>Moderator: Connie Dwyer, U.S. EPA OEI</i> <i>Speaker: Chris Clark, U.S. EPA OEI</i></p> <ul style="list-style-type: none"> <p>Exchange Network Discovery Services (ENDS) ENDS 2.0 discovery services are now available! The discussion and demonstration will cover publishing and accessing service descriptions, security, and governance. The demonstration will also include an application accessing ENDS services.</p> <p>Tools for Publishing and Syndication New Exchange Network publishing services provide a standardized mechanism for syndicating any type of information including any data flow. These tools will improve information availability and help standardize the syndication of environmental information. These tools were used to support Recovery.gov reporting and have potential for emergency response, data flow management, automatic publishing of standard reports, public information dissemination and desktop publishing.</p> <p>Exchange Network Web Client The new Exchange Network Web Client supports access to any EN node or service via a web browser. It is integrated with the ENDS 2.0 services and provides user friendly access to the Exchange Network as well as a flexible interface for submitting to any data flow without installing a node client.</p> <p>NAAS 3.0 NAAS 3.0 is the Node 2.0 compliant version of the Exchange Network Authentication and Authorization Services. The discussion will include NAAS 3.0 transition, and changes.</p>

3:15 – 3:45

6th Floor

The Overlook

Networking Break and Node 2.0 Vendor Demos

Second Concurrent Sessions**3:45 – 5:30 PM****Track 1: Water Related Exchanges**
10th Floor**3:45 – 5:30 | Room: Plaza Ballroom**
Moderator: Kurt Rakouskas, ECOS

- **NetDMR Demonstration**
Ed Cottrill, U.S. EPA OECA
Brandon Harris, Texas CEQ
NetDMR provides a generic, open-standards-based, CROMERR approved, and very thoroughly documented system for collecting electronic Discharge Monitoring Reports (eDMRs). The system is freely available and can be implemented by U.S. EPA, by a state, or by any other organization with the authority to accept DMRs.
- **Water Quality Exchange (WQX)**
Kristen Gunthardt, U.S. EPA Office of Water
Deb Soule, New Hampshire DES
The Water Quality Exchange (WQX) allows for easy node-to-node transfer of water quality monitoring data, including chemical, physical, biological, and habitat monitoring data. Numerous states and tribes have successfully submitted water quality monitoring data to EPA using WQX. A new tool, called WQX Web, has just been released that allows data providers to transform their flat file data into XML and submit it to EPA via WQX. This presentation will be an opportunity for current users as well as interested non-users to get a picture of what WQX is all about. Attendees will also have the opportunity to hear a state's perspective on the benefits and challenges of sharing data via WQX.

Track 2: Network Tools and Technology
NOTE: This session will repeat on April 29th
6th Floor**3:45 – 5:30 | Room: International B & C**
Moderator: Chris Simmers, New Hampshire DES

- **Node 2.0 Collaboration Grant Project**
Led by the New Hampshire Department of Environmental Services, several state environmental agencies received a 2008 Exchange Network grant from U.S EPA to build an open source 2.0 Node that will be freely shared with all Exchange Network partners. This session will feature a full demonstration of the product's capabilities and offer information on how to obtain a free copy for your organization.
- **Node 2.0 Implementation and Migration Experience**
Miles Neale, Washington Department of Ecology
This topic will cover the lessons learned from the migration of the Washington EN Node to Node 2.0 and some helpful hints as to how to plan and manage your move.

Track 3: Exchange Network Communication Tools
7th Floor**3:45 – 5:30 | Room: Augusta I & II**

- **What's a wiki? How can you use it to share your EN thoughts and knowledge on the web? Come learn!**
Gail George, Iowa DNR
Angie Reed, Penobscot Indian Nation
The Exchange Network wiki is YOURS to edit and use! So come learn some basic skills for adding information to it. See how it can be a forum for EN information that YOU find engaging and useful. Learn to use it to stay better connected to other EN partners and benefit from what they have already done. Share a tool you have created so that others can use it. Honestly talk about what you like or don't like about different aspects of the EN.

<p>7:30 – 8:45 AM 9th Floor</p>	<p>Continental Breakfast</p>
<p>8:45 – 12:00 10th Floor Plaza Ballroom</p>	<p>General Session</p>
<p>8:45 – 9:30</p>	<p>U.S. EPA’s Information Access Strategy <i>Rick Martin, U.S. EPA OEI</i></p>
<p>9:30 – 10:30</p>	<p>Tribal Engagement in the Exchange Network <i>Ken Fetcho, Yurok Tribe of the Yurok Reservation</i></p> <p>The Yurok Tribe, inhabiting lands in far Northwest California, has utilized Exchange Network funds to develop a real-time air and water quality monitoring network and a custom database to efficiently manage their data. This custom database allows the Tribe to safely store their environmental data and to transmit data to EPA as a node client. Recent funding will enable them to mentor Tribes to pursue and utilize Exchange Network funding to assist them in meeting their data management needs and reporting requirements to EPA.</p> <p><i>Bruce Jones, Northwest Indian Fisheries Commission</i></p> <p>The Northwest Indian Fisheries Commission, a consortium of 20-member tribes in western Washington State has proposed implementing a centrally located Exchange Network Node for use by its member tribes that choose to participate on the Exchange Network. The NWIFC initially plans to implement a data flow of tribal water quality data to WQX and will provide planning, training, and mentoring support both to the member tribes establishing their own Exchange Network nodes as well as to the tribes that will be accessing the Exchange Network through the NWIFC node.</p> <p><i>Angie Reed, Penobscot Indian Nation</i></p> <p><i>Protecting Penobscot Nation's Traditional Tribal Lifeways - The Ultimate Goal of Collecting and Exchanging Water Quality Data</i></p> <p>Penobscot Indian Nation (PIN) has been collecting water quality data on the Penobscot River, its tributaries and other trust land waters for more than 16 years. A 2007 Exchange Network grant helped to greatly improve PIN's network and backup capacity as well as their electronic water quality data entry and management processes. While making these improvements PIN staff have learned to do a lot of the work on their own. PIN considers it very important to build this kind of internal capacity and reinforce the government-to-government relationship with EPA by having our own node on the Exchange Network.</p>
<p>10:30 – 11:00 6th Floor The Overlook</p>	<p>Networking Break and Node 2.0 Vendor Demos</p>

11:00 – 12:00
10th Floor
Plaza Ballroom

Health and the Environment
 A look at how the public health community is approaching information management. Opportunities for closer collaboration between environmental and health agencies in identifying and implementing information exchanges to protect public health.

Experience of the Public Health Tracking Network sharing data with environmental partners--the case for continued cooperation
Craig Kassinger, Centers for Disease Control, Environmental Public Health Tracking Network

Recent developments in Public Health's Public Health Information Network and a new approach to data sharing
Dr. Aneel Advani, Centers for Disease Control, National Center for Public Health Informatics

12:00 – 1:30 **Lunch** - on your own

First Concurrent Sessions
1:30 - 3:15 PM

Track 1: Focus on Air Emissions Issues 10th Floor	Track 2: Public Health and the Environment 6th Floor	Track 3: Network Tools and Technology NOTE: This session is a repeat from April 28th 7th Floor
<p>1:30 – 3:15 Room: Plaza Ballroom <i>Moderator: Mitch West, Exchange Network Coordinator</i></p> <ul style="list-style-type: none"> U.S. EPA’s Proposed Mandatory Greenhouse Gas Reporting Rule <i>Peter Kokopeli, U.S. EPA Kong Chiu, U.S. EPA</i> This session will provide an overview of U.S. EPA’s recently proposed rule on mandatory greenhouse gas emissions reporting. The Exchange Network & Greenhouse Gas (GHG) Emissions Reporting <i>Chris Condit, The Climate Registry</i> <i>Mitch West, Exchange Network Coordinator</i> This session will explore possible opportunities and challenges in using the Exchange Network to support the exchange of GHG emissions data. The discussion will include an overview of a pilot project aimed at using the Network to share GHG data between the California Climate Action Registry and The Climate Registry. <p><i>(Session Continues on next page)</i></p>	<p>1:30 – 3:15 Room: International B & C <i>Moderator: Tom Aten, Wisconsin DNR</i></p> <ul style="list-style-type: none"> New York’s Groundwater Data Exchange – Coordinating Environmental and Public Health Programs <i>Chris O’Connor, NY DEC</i> The New York State Department of Environmental Conservation (DEC) and the New York State Department of Health (DOH) are developing a Groundwater Data Exchange (GWDX). The objective of the GWDX project is to provide program staff in each agency with greater access to the information they need to coordinate efforts to protect resources and respond to contamination. The agencies will be sharing drinking water quality information and geospatial public water supply area locations, as well as regulated facility details, remediation sites, and hazardous materials spill information. <p><i>(Session Continues on next page)</i></p>	<p>1:30 – 3:15 Room: Augusta I & II <i>Moderator: Chris Simmers, New Hampshire DES</i></p> <ul style="list-style-type: none"> Node 2.0 Challenge Grant Project Led by the New Hampshire Department of Environmental Services, several state environmental agencies received a 2008 Exchange Network grant from U.S EPA to build an open source 2.0 Node that will be freely shared with all Exchange Network partners. This session will feature a full demonstration of the product's capabilities and offer information on how to obtain a free copy for your organization. Node 2.0 Implementation and Migration Experience <i>Miles Neale, Washington Department of Ecology</i> This topic will cover the lessons learned from the migration of the Washington EN Node to Node 2.0 and some helpful hints as to how to plan and manage your move.

<p><i>(Continuation from previous page)</i></p> <ul style="list-style-type: none"> Emissions Inventory System (EIS) <i>Martin Husk, U.S. EPA</i> U.S. EPA is developing the Emissions Inventory System (EIS) as the new information system for storing all current and historical emissions inventory data. It will be used to receive and store emissions data and generate emission inventories beginning with the 2008 National Emissions Inventory (NEI). This data exchange will replace the current NEI data exchange, which will no longer be used after the 2007 NEI. Oregon Greenhouse Gas Exchange pilot project <i>Won Kim, Oregon DEQ</i> Oregon DEQ is building a sharable system to pilot GHG data exchange. The focus is to exchange greenhouse gases where facilities report to Oregon DEQ using an online tool. The GHG reporting tool is being built for future expandability to accommodate criteria air pollutants and air emissions data. The current objective is to communicate with internal Air Quality program needs and exchange GHG data with The Climate Registry, EPA and other partners. 	<p><i>(Continuation from previous page)</i></p> <ul style="list-style-type: none"> New Jersey Drinking Water Exchange <i>Mike Matsko, NJ DEP</i> New Jersey DEP is providing access to its drinking water quality data to its state health partner using Exchange Network Technology. Innovative use of the Exchange Network for Distributing Laboratory Data Across Various Environmental Programs <i>Sanwat Chaudhuri, Bureau of Chemical and Environmental Services, Utah Public Health Labs (PHL)</i> This presentation will demonstrate how Utah PHL is planning to use the Exchange Network to share data from its laboratory information management system (LIMS) with state drinking water, clean water, and RCRA programs. 	
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3:15 – 3:45
 6th Floor
 The Overlook
 Networking Break and Node 2.0 Vendor Demos

3:45 – 5:00
 10th Floor
 Plaza Ballroom
 General Session

<p>3:45 – 4:45</p>	<p>Data Publishing and Information Access Information on strategies States and EPA are using to publish data today, and thoughts on using data publishing to extend the Exchange Network in the future. <i>Andrew Battin, U.S. EPA</i></p>
<p>4:45 – 5:00</p>	<p>Future of the Exchange Network <i>Mitch West, Exchange Network Coordinator</i></p>

Thursday, April 30, 2009

Hotel Floor



7:30 – 8:30 AM Continental Breakfast
6th Floor

Concurrent Working Sessions
8:30 AM - 12:00 PM

<p>Network Exploration 10th Floor</p>	<p>WQX Tools 7th Floor</p>	<p>RCRAInfo Listening Session 7th Floor</p>	<p>Website Focus Group 6th Floor</p>
<p>8:30 – 10:00 Room: Plaza Ballroom A&B <i>Moderator: Dennis Burling, Nebraska DEQ</i></p> <p>Come and share your ideas and explore new opportunities for the Exchange Network. What is the next frontier of the Network? Requirements for this session are a good imagination, creative thinking, an open mind, doodle pads, and cocktail napkins. Let's have some fun!!!</p>	<p>8:30 – 10:00 Room: Augusta III <i>Speakers: Kristen Gunthardt, U.S. EPA Dave Wilcox, Gold Systems Ryan Jorgensen, Gold Systems</i></p> <p>WQX will become the primary way of submitting data to EPA in September of 2009 (i.e. distributed STORET is no longer being supported). We will be discussing considerations for fully making the transition to WQX from the distributed STORET database. During this session, we will discuss some of the new capabilities that have been developed to make sharing data easier. Specifically, we will demo the new WQX Web tool, as well as the almost released AWQMS (Ambient Water Quality Monitoring System) tool. Both tools can assist partners with participating in the WQX data flow.</p>	<p>8:30 – 10:00 Room: Augusta I <i>Moderator: Dwane Young, U.S. EPA</i></p> <p>EPA will host a listening session on the RCRAInfo data flow. If you've ever had an idea, comment, or question about the RCRAInfo data flow, this is the time to bring it. This session will also focus on gathering ideas on where RCRAInfo should go in regards to data exchange, how we can better facilitate communication between the different members of our user community, and State plans for RCRA data management. In particular, EPA would like to discuss 1) Publishing Web Services, 2) Geo-spatial Information, and 3) Better integration of the system with the business process (i.e. real-time data tracking, mobile devices, etc.).</p>	<p>8:30 – 10:00 Room: International B <i>Moderator: Kurt Rakouskas, ECOS</i></p> <p>This is your chance to provide feedback for a planned redesign of the Exchange Network website. Come prepared to talk about your frustrations with the current site and what sorts of functionality and information you want to see in the future.</p>

10:00 – 10:30 Networking Break and Node 2.0 Vendor Demos
6th Floor
The Overlook

Reading the Tea Leaves: Are we on the right track to meet user need and build a successful Network? 6th Floor	Reusable Components Services 7th Floor	Designing Node 2.0 Exchanges: Practical Approaches for New and Migrated Flows 7th Floor	Exchange Network Return on Investment & Financial Baseline Projects 6th Floor
<p>10:30 – 12:00 Room: International C <i>Moderators: Chris Simmers, New Hampshire DES Jonathan Jacobson, U.S. EPA OEI</i></p> <p>This session will outline the themes and conclusions developed from the Performance Measures Survey feedback, then provide an opportunity for participants to discuss the accuracy of conclusions and the barriers you are experiencing in making the Exchange Network your organization's preferred way of sharing data.</p>	<p>10:30 – 12:00 Room: Augusta III <i>Moderator: Lico Galindo, U.S. EPA</i></p> <p>The dream of the Reusable Component Services (RCS) is becoming a reality. The U.S. EPA Data Standards Branch has identified an RCS software tool and is poised to start implementation for use by EPA and its partners. Come learn more about the RCS and how Exchange Network partners can benefit from this powerful software.</p>	<p>10:30 – 12:00 Room: Augusta I <i>Moderator: Bill Rensmith, Windsor Solutions</i></p> <p>This session will discuss how the new capabilities of Node 2.0 can be leveraged in your next data exchange project. The first portion of the presentation will contrast the new 2.0 specification with the prior version, highlighting new capabilities. Next, the session will discuss the specific considerations for migrating 1.1 flows to 2.0. Specific ways in which the new features of Node 2.0 can be leveraged to design new, next generation exchanges will also be explored. Lastly, the presentation will discuss the specific requirements for documenting Node 2.0 exchanges.</p>	<p>10:30 – 12:00 Room: International B <i>Moderators: Mike Beaulac, Michigan DEQ Doug Timms, enfoTech, Inc.</i></p> <p>The Exchange Network Financial Baseline Project was conducted to better understand the financial resources needed by states and tribes to implement Exchange Network data flows. As a result of this project, a financial baseline analysis was performed to identify the cost factors associated with the implementation of Exchange Network data flows, and to provide a basis for cost estimation for future data flow implementation.</p>