



AQS: Plans and Perspective

AQS CONFERENCE

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Plans and Perspective

- Purpose
 - System Status
 - 2003 Conference Recommendations
 - Other Software Implementation
 - Development Plan
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Purpose

- To present an overview of the AQS data system including status, status of 2003 conference recommendations, other software development, and new development plans.



System Status

- Operational for 27 months
 - Average of 6.8 million values per month
 - Replaced Client with AQS Web access
 - System optimization completed
 - Raw data table split
 - Performed 2 Historic data updates
 - Agencies reporting data
 - State - 53
 - Local - 43
 - Tribe - 30
 - Other -4
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System Status

- Over 5,800 retrievals in April 2004
- Number of new software bugs low
- 631 Registered users
- Mainframe data conversion for
 - 1971 to 1991 Complete with summary data in AQSPROD
 - 1957 to 1970 Conversion has begun



2003 Conference Recommendations

- Over 75 individual recommendations
 - Combined across groups & prioritized
 - Status given in quarterly newsletter
 - Status of top 30
 - Browse/Maintain – selection by date range was added to raw data, composite, and precision.
 - Quick Look Report – the blank pages were removed.
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2003 Conference Recommendations

- Status of top 30 (continued)
 - Display progress/ % completeness – the new retrievals displays this information.
 - User support – Chuck will cover Thursday.
 - Communications – a new group was created on Yahoo. 27 messages have been left to date. It is not monitored by IMG. FAQ area is maintained on TTN.
 - Documentation – the coding manual has been updated and available for comment.
 - Error messages – messages have been clarified. Users need to identify messages that need additional clarification.
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2003 Conference Recommendations

- Status of top 30 (continued)
 - Report need ability to change sort order - R31 modifications have add sort capabilities. Any additional capabilities need to be requested.
 - Documentation - new releases of the manuals have been loaded onto the TTN.
 - Need a cancel report/cancel session - feature has been added for retrievals and will be added for batch load processes.
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2003 Conference Recommendations

- Status of top 30 (continued)
 - Training documents need to be available – most documents are now on the TTN. Additional links to other documents are needed.
 - Training in state offices – 10 user training sessions were held in ROs & one in RTP.
 - Report listing data for multiple monitors – AMP460 will list this data when only one parameter selected.



2003 Conference Recommendations

- Status of top 30 (continued)
 - Gray out unavailable options – the web satisfies this requirement.
 - Documentation needed for data coding – revised coding manual is available on TTN.
 - Separate data from flags on raw data reports – completed.
 - Need on line code tables available – some static tables were added to TTN. New AQS Query will have live tables updated monthly.
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2003 Conference Recommendations

- Status of top 30 (continued)
 - Add parameter name and code to all reports – done as part of R31.
 - Reports page down is slow – web application fixed this issue.
 - Create a batch file from correct - no action.
 - Save report criteria for other reports – done as part of R31.
 - Data completeness not working well – fixed.



2003 Conference Recommendations

- Status of top 30 (continued)
 - Change P & A load process to see report before Post process
- no action in FY'04.
 - Database status on login page & email notification when down – emails currently sent when down but need a process for CDX.
 - Information/guidance on AQS data requirements – monitor basics course on TTN.
 - Duplicate monitor with only correct data copied – duplicate monitor is currently a function of Maintain Monitor. All monitor transactions are copied and the user must edit fields before saving. What is the problem?

2003 Conference Recommendations

- Status of top 30 (continued)
 - Increase precision of data display on reports – quick look modified for non-criteria pollutants.
 - Monthly data matrix viewer – no action
 - Raw data accessible through Discoverer – web Discoverer training this week. Usage after conference will be monitored before decision on raw data is made.



Other Software Implementation

- Modified exceptional event processing
 - RO concurrence/non-concurrence.
 - Natural/exceptional events
 - Up to 7 summary records
 - Developed new raw data work file retrieval
 - Multi-pollutant - speciation data
 - Single pollutant - multiple sites for ozone
 - Built AQSSTARS database for retrievals for health research
 - Modified AQS Query in AirData
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Other Software Implementation

- Blank Transaction – additional fields needed
 - Site specific ozone season
 - Precision data for collocated continuous PM2.5 data
 - Standard Report Function – Nick will cover on Wednesday.
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Other Projects

- Documentation – Chuck will cover on Thursday.
- Data Certification entry
 - 2002 Complete – Regions notified of issues
 - 2001 to be done
- Annual user registration review
 - Notify Regional Office and IMG when users leave



Development Plan

- Upgrade AQSPROD to Oracle 9i - June 4-6 - database down. Impact on conference attendees
 - Complete historic data conversion
 - Maintenance
 - Software bug resolution
 - Report optimization
 - Documentation Updates
 - AQS Raw Data Mart
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Development Plan

- AQS web services
 - AQS Tribal Modification
 - Implement XML for load
 - Complete blank data reporting
 - 2004 Conference recommendations
 - Expand AQS Query for all reference tables
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Development Plan

- Develop new maintain accuracy form & change accuracy level edit to a warning
- Modify processing for alt MDL

