

DEPARTMENT OF ENVIRONMENTAL QUALITY

DIVISION OF AIR QUALITY FY 2005 End of Year Report

I. DAQ STRATEGIC GOAL

PROTECT THE ENVIRONMENT

Attain and maintain air quality to protect public health and the environment through a comprehensive program including development and implementation of air pollution control strategies; promotion of compliance; monitoring of emissions and ambient air; promotion of appropriate pollution prevention activities; and further development and optimization of the emissions inventory process. Develop and implement control strategy plans, permitting process and compliance procedures, and rules which protect air quality, enhance appropriate development, and enhance Utah's economic potential. Operate a quality assurance program under a comprehensive Division QA policy.

Measures:

- a. National Ambient Air Quality Standards are attained and maintained.^{CPM A1 P2}
- b. National Emission Standards for Hazardous Air Pollutants are attained and maintained.
CPM A2
- c. PSD Increments are protected.
- d. State Implementation Plans (SIPs) are developed to attain and maintain air quality.
- e. Regulated community compliance status improves.
- f. Monitoring network collects appropriate and valid data.^{CPM A7}
- g. Appropriate emission inventories are completed and trends developed.^{CPM A1}
- h. Appropriate permits are issued in accordance with the Clean Air Act and State law requirements.

DIVISION ANNUAL GOALS

1. Appropriate SIPs are developed and implemented in all areas of the state.^{CPM A4 A6}

Measures:

- a. State develops all State Implementation Plan revisions required to meet federal law and submits them to EPA for their review and approval according to the established timeframe.

STATUS: *Utah has submitted a PM₁₀ Maintenance Plan, an SO₂ Maintenance Plan, a Regional Haze SIP, and several CO Maintenance Plans to EPA. EPA has approved the CO plans, but has not acted on any of the other plans.*

2. Existing SIPs are implemented.^{CPM A7}

Measures:

- a. All measures contained in the SIP approved by the Air Quality Board are fully implemented.

STATUS: *On-going.*

3. Air Quality issues in areas of the State outside the Wasatch Front are addressed as appropriate.

Measures:

- a. The Cache County stakeholders are assisted to assess the air quality in the Cache Valley.

STATUS: *UDAQ has contributed significant financial and technical support to USU and the Bear River Health Department to monitor, analyze, and model pollution episodes in the Cache Valley.*

- b. Washington County stakeholders are assisted to assess the air quality in St. George in Washington County.

STATUS: *UDAQ continues to operate special purpose monitors in the St. George area to collect data that can be used to assess pollutions levels in the area to determine if a problem exists.*

4. Appropriate Inventories are developed and improved.^{CPM A1 A5}

Measures:

- a. The Title V inventory is prepared by August 15.

STATUS: *The Title V inventory was prepared by the specified date.*

- b. A HAP inventory is prepared by August 15.

STATUS: *The HAP inventory was prepared by the specified date prepared triennially, and will be prepared for 2005.*

- c. Non-HAP/non-Criteria/non-MACT regulated pollutants are inventoried as required by federal rules.

STATUS: *The Non-HAP/non-Criteria/non-MACT regulated pollutants inventory was prepared by the specified date*

- d. The inventories required for the Maintenance Plans and SIPs are developed as required and appropriate technical support for each is submitted to EPA for their review with the applicable plan.

STATUS: *The inventories required for development of SIPs and Maintenance Plans were prepared by the specified dates, and appropriate technical support was provided to EPA with each plan.*

- 5. PSD increment tracking continues to meet federal requirements.

Measures:

- a. Increment consumption for Major Sources is tracked as permits are issued.

STATUS: *Class I and Class II increment analyses were completed for all PSD permit applications.*

- 6. Maintain an adequate ambient air quality monitoring program according to 40 CFR Part 58 to assess public exposure to air pollutants and to determine attainment status.^{CPM A3 A4}

Measures:

- a. The annual Monitoring Network Review is completed and submitted to EPA by June 30.

STATUS: *The annual monitoring network review has been drafted but not completed. A copy was not submitted to EPA by June 30.*

- b. PM2.5 monitoring network is maintained and operated.

STATUS: *The PM2.5 monitoring network was maintained and operated in FY 2005. The network was expanded by adding three additional PM2.5 monitoring sites, Amalga, Hyrum and Tooele.*

- c. Monitoring data are submitted to EPA 90 days after each quarter.

STATUS: *The monitoring data were submitted to EPA 90 days after each quarter.*

- d. Locations for new monitoring sites are based on current emission inventories, air quality modeling and EPA regulation.

STATUS: *Locations for new monitoring sites were based on available emissions inventories and saturation studies. EPA regulations were met in siting new monitoring stations.*

- e. Work with EPA to assess the impacts of the proposed changes to 40 CFR 58, and begin planning for the implementation of those changes (National Monitoring Strategy/Ncore Monitoring Network).

STATUS: *The National Monitoring Strategy has been reviewed and evaluated. The draft revisions to 40 CFR 58 have also been reviewed and evaluated. Staff are following the progress of the proposals as they move toward promulgation. Initial plans for implementation of the Ncore monitoring network have started.*

- f. Operate and maintain the National Air Toxics Trends site in Bountiful, including addition of a chrome-6 sampler, in accordance with NATTS QAPP with appropriate updates.

STATUS: *The National Air Toxics Trends sites in Bountiful (including chrome-6 sampling and carbon monitoring) have been operated. Samples have been collected and submitted to EPA's contract lab. The data have been reviewed and approved for submittal into EPA's AQS data base.*

- 7. Pro-active pollution reduction measures are reviewed and implemented as appropriate.^{CPM A2}

Measures:

- a. Pollution prevention measures are promoted during permit development where appropriate and feasible.

STATUS: *Pollution prevention continues to be promoted to the extent of the law.*

- 8. Maintain and assist the compliance status of air pollution sources in the State.

Measures:

- a. By November 15, prepare and submit the compliance monitoring strategy to EPA for

review and approval by December 15. The provisions of EPA's April 25, 2001 Clean Air Act Stationary Source Compliance Monitoring Strategy will be incorporated into the State's strategy.

STATUS: *The Compliance Monitoring Strategy for FFY 2006 was submitted to USEPA Region 8 on or before November 15, 2004.*

- b. Asbestos notification, certification, and outreach programs are implemented, and at least 120 on-site inspections are performed.^{ASB}

STATUS: *1084 asbestos notifications were accepted, 978 individuals and 85 asbestos companies were certified, 5225 asbestos telephone calls were answered and 122 asbestos inspections were conducted.*

- c. The work program for the AHERA Toxic Substances Compliance Monitoring Grant is implemented.^{CPM A7}

STATUS: *The AHERA grant was implemented with 49 AHERA inspections conducted.*

- d. The work program for the State Lead Program Development Grant is implemented, and a program that meets State needs is developed in conjunction with other affected agencies.^{LD}

STATUS: *The Lead Based-Paint (LBP) Program Grant work tasks were completed with the exception of promulgating TSCA 406(b) administrative rules and submitting TSCA 406(b) program authorization packet to USEPA Region 8 before the end of FFY 2005. 32 Lead Based-Paint (LBP) Program notifications were accepted, 115 individuals and 64 LBP Program firms were certified, 1307 LBP Program telephone calls were answered and 52 LBP Program inspections were conducted*

- 9. Implement the Operating Permits Program meeting the current requirements of Title V, CAAA 1990, and the Utah Air Conservation Act.

Measures:

- a. An Operating Permits Program is continued as described in program approval from EPA.

STATUS: *The Operating Permits Program is ongoing and will continue to be implemented as outlined in the program approval from EPA. The Title V Permits will continue to be issued as expeditiously as possible.*

- b. The provisions of the Acid Rain Act and 40 CFR Part 72 and Part 76 are implemented.

STATUS: *The implementation of 40 CFR Parts 72 & 76, and the Acid Rain Act is ongoing.*

10. Continue issuing approval orders for new sources and modifications of the existing approval orders.

Measures:

- a. Communications with sources are carried out effectively to complete NOI submittals and any other information necessary for reviews.

STATUS: *Pre-NOI and pre-design meetings continue to be used as effective tools to communicate with applicants. A questionnaire is provided to the customers with the approval order. The feedback from these questionnaires is evaluated and improvements are made when possible. Program fees are continuously evaluated and when appropriate adjusted.*

- b. Air quality modeling is completed to ensure the protection of the NAAQS and PSD increment ceilings in class I and class II areas.

STATUS: *Air quality modeling was completed for major and minor source applications according to R307-410-3.*

- c. Hazardous air pollutants (HAP) and other non-criteria regulated pollutant emissions are documented and reviewed, and if necessary, air quality modeling for HAP sources is completed to assess the ambient impact.

STATUS: *Air quality modeling was completed for major and minor source applications according to R307-410-4.*

- d. Follow through on any issues identified in EPA program evaluations in FY05 for NSR and Title V.

STATUS: *This is an ongoing process that is continually being performed*

- e. Either input BACT/LAER determinations into the RACT/BACT/LAER Clearinghouse or provide the information to EPA so they can enter the data into it.

STATUS: *This is an ongoing process that is continually being performed*

11. Continue issuing pollution control facility certifications for sales tax exemption-

Measure:

- a. Pollution control facility certifications are issued within 120 days from the application date.

STATUS: *The pollution control certifications have been and will continue to be issued within 120 days.*

- 12. Quality Assurance programs are reviewed for effectiveness.

Measures:

- a. Statistical quality standards are met for the collection of ambient air data and emissions inventories prepared by the State.

STATUS: *On-going – All statistics were collected for site inspections, monitoring, inventory, etc. following the existing QA protocols.*

- b. Rules, regulations, procedures, policies, and protocols are complied with.

STATUS: *UDAQ is working on the implementation of the federal NSR Reform rules and Excess Emissions rules.*

- c. Regulatory activities will be documented including the appropriate technical support.

STATUS: *All commitments were met or exceeded. Data to verify that commitments were met is in AIRS. A quantitative summary of accomplishments is contained in the FY2006 CMS/CPOP.*

- d. The State and EPA agree on the adequate quality of air program results.

STATUS: *UDAQ and EPA Region VIII confer regularly on the results of the air program implementation.*

II. DAQ STRATEGIC GOAL

INVOLVE OTHERS IN THE PROCESS

Involve customers (internal/external) in the development of SIPs, issuing permits, and compliance activities. Form partnerships with stakeholders to ensure consideration of all relevant issues. Align with customer (internal/external) needs and improve delivery of quality service by identifying and understanding customer needs, and by negotiating reasonable solutions to meet customer needs.

Measures:

- a. Customer feedback is obtained, reviewed, and appropriate action is taken.
- b. Cost of implementation is evaluated.
- c. Time required to meet customer needs is minimized.
- d. Stakeholders are involved in the development of air quality strategies and plans.

DIVISION ANNUAL GOALS

- 1. The web site is enhanced to increase the availability for public usage.

Measures:

- a. Progress is made to develop provisions for external customers to comment on proposed rules, submit inventory data, and submit NOIs and emissions inventories via the web, as well as providing clear and accurate information via the web.

STATUS: *Web information is routinely updated. Air quality permitting and compliance status is part of the Department’s cross-media web page. All proposed rules, rule summaries, and comments are routinely posted on the web. A new enhanced web page is under development to facilitate dissemination of information from UDAQ to the public.*

- b. Staff input to the web page increases, including increased availability of public documents, data, charts, graphs, project status, etc.

STATUS: *Web information is routinely updated. Air quality permitting and compliance status is part of the Department’s cross-media web page. All proposed rules, rule summaries, and comments are routinely posted on the web. A new enhanced web page is under development to facilitate dissemination of information from UDAQ to the public.*

- 2. Involve affected entities in the rule making, SIP development, and permitting process.

Measures:

- a. Partnerships include appropriate parties and the scope of the affected entities and their respective roles are clearly defined.

STATUS: *As SIPs and various rules are developed, appropriate stakeholders are involved.*

- b. Meetings are held to address a variety of issues including environment, health, and economic concerns, statutory requirements and implementation.

STATUS: *Appropriate stakeholders are involved in the development of SIPs and rules by DAQ. This has included the development of the PM10 Maintenance Plan, NSR Reform PSD rules, and other rule proposals. We have met often with stakeholders in Cache Valley as we have been analyzing the air pollution there which will be important in the event that we eventually find a need to prepare a SIP for that area.*

- c. SIP Stakeholder workgroups are supported during development of revisions to the SIP and development of the various Maintenance Plans.

STATUS: *UDAQ continues to work extensively with stakeholders in the Cache Valley to address air pollution issues in the area.*

- 3. The small business assistance program (SBAP) is maintained which actively assists small businesses to comply with rules of the Board.^{SBA}

Measures:

- a. Educational Assistance is provided to all small businesses affected by adopted NSPS and MACT standards.

STATUS: *All business sectors are aided; for example, an assistance calendar was mailed to all dry cleaners to help them comply with NESHAP requirements.*

- b. As appropriate, the Small Business Advisory Panel's role is modified to increase the effectiveness of the SBAP.

STATUS: *On-going. The SBAP continues to work to challenge the panel to be involved by using e-mail to solicit comments on outreach materials. An awards program has been implemented by the panel to recognize small businesses for taking extra efforts to go beyond compliance.*

- c. Voluntary on-site assistance is provided.

STATUS: *Assistance is provided to businesses as needed.*

- d. The small business work plan for the Small Business Advisory Panel is modified as appropriate to better meet assistance needs.

STATUS: *The work plan is modified at each panel meeting.*

- e. Assistance tracking is modified as appropriate to better provide and measure assistance needs.

STATUS: *The SBAP is reviewing assistance provided and reviewing business needs to provide better.*

4. DAQ internal communications will be improved.

Measures:

- a. Quality Council will be used to identify cross-cutting issues and establish appropriate workgroups to discuss those issues.

STATUS: *Quality Council is held regularly to identify and discuss cross-cutting issues, and identified items are discussed further by appropriate groups.*

5. Provide technical support and application development of Geographic Information Systems (GIS) technology.

Measures:

- a. Support modeling efforts with GIS applications developed for spatial allocation of emissions data, meteorological data and other model inputs.

STATUS: *On-going, particularly for development of input data for PM, Ozone, and Regional Haze SIPs.*

- b. Explore additional GIS applications in air quality management, as appropriate.

STATUS: *GIS was used extensively in development of the PM 2.5 NEAP episode evaluation procedures.*

III. DAQ STRATEGIC GOAL

PARTNER WITH OTHER GOVERNMENT AGENCIES

Work in partnership with local government, MPOs, and other state and federal agencies to develop and implement programs for the protection of air quality statewide and to achieve and maintain acceptable air quality along the Wasatch Front.

Measures:

- a. Conformity determinations of TIPs and LRPs are reviewed and comments submitted to the appropriate agency within the comment period of each finding.
- b. Partnership satisfaction and feedback are measured.

- c. Appropriate areas of responsibility are defined for DAQ and local agencies.
- d. Recognition, discussion, prioritization, and resolution of applicable air quality issues occurs.
- e. The State and EPA work together to meet air quality goals in Utah.

DIVISION ANNUAL GOALS

- 1. Continue to implement R307-204, Smoke Management, the Utah Smoke Management Plan (SMP), and MOU to mitigate smoke impacts from managed natural fires and prescribed fire on visibility, public nuisance, and the health-based NAAQS.

Measures:

- a. Coordinate with partner agencies to maintain the Smoke Program Coordinator to make necessary burn approval or denial decisions.

STATUS: *The Smoke Program Coordinator managed 650 burn authorization requests this year, of which 61 projects were implemented, and 17,000 acres burned. DAQ has worked with our partner agencies and other stakeholders to refine our smoke management program, including proposing changes to smoke management rules in Utah.*

- 2. Participate as appropriate in activities of other partner agencies.

Measures:

- a. The State and EPA work together to understand the causes of elevated levels of PM2.5 in the Cache Valley, and work with stakeholders from Cache County, USU, Franklin County, and Idaho State to conduct appropriate studies and collect and analyze appropriate data.

STATUS: *UDAQ continues to work extensively with stakeholders in the Cache Valley to address air pollution issues in the area. We have made significant progress in the development of a box model to attempt to understand the factors that are resulting in the elevated PM2.5 levels in the valley.*

- b. DAQ staff are involved in planning activities of the MPOs, UDOT and UTA.

STATUS: *DAQ's staff is highly involved in the transportation planning process within the state of Utah. Participation includes membership on technical advisory boards, participation in corridor studies, and attending Policy selection boards. DAQ's involvement has*

allowed it to be a part of and follow the transportation planning cycle for the TIP and LRP. This allows for better understanding of the impact of transportation on air quality prior to receiving a conformity determination.

- c. DAQ staff works with the MPOs to acquire and analyze vehicle miles traveled (VMT) data for use in inventory work of the Division.

STATUS: *DAQ obtains annualized, statewide VMT data from UDOT. Annual VMT data are posted on the UDOT website. Summer and winter VMT data for the urban counties are obtained from the MPOs.*

- d. Local health department staff are trained as requested in the siting and operations of monitoring equipment.

STATUS: *DAQ worked extensively with staff from the Bear River Health Department to establish two additional monitoring sites in the Cache Valley, and work with BRHD and USU to collect as much information as may be needed to analyze air pollution in the Cache Valley. Many of the monitoring stations are operated by local health department staff. They have been trained and are an important part of the monitoring program.*

- e. Training and other assistance will be provided to tribal air quality staff as requested and within available DAQ resources.

STATUS: *The tribes have not requested any training this year.*

- 3. Provide technical support to LHD vehicle emissions Inspection and Maintenance (I/M) programs.

Measures:

- a. Work with the LHDs to quantify effectiveness of existing and proposed I/M programs in support of future SIP development.

STATUS: *DAQ has worked with the MPOs and LHDs to evaluate the impact of possible I/M program changes.*

- b. Provide technical assistance to LHD I/M program staff.

STATUS: *DAQ meets regularly with the IM Advisory Board to discuss program status, proposed changes, and other issues.*

- 4. The Division supports and contributes to the goals and objectives of the Center for Automotive Science and Technology at Weber State University.

Measures:

- a. Accurate information provided to stakeholders about the impact of emissions, emission control systems and efficiency of vehicles.

STATUS: *Ongoing. The Center continues to evaluate a better understanding of vehicle emissions, area specific mobile source and transportation control strategies. The Center has established and maintains the National OBD clearinghouse website.*

- b. Mobile source emission education & training provided to local & national automotive technicians, instructors, regulatory officials, field engineers and consumer groups.

STATUS: *The Center continues to provide up-to-date technical training and mobile source project expertise to mobile source planners, instructors, I/M administrators, technicians and engineers and automotive repair industry throughout the nation.*

- c. Working with DEQ staff, partner with secondary and post-secondary engineering and automotive technology programs and assist them in strengthening their air quality-focused programs.

STATUS: *The Center provides technical expertise to local and state government personnel and assists with the development and validation of area-specific solutions for air quality initiatives and mandates.*

- 5. Work with EPA to complete federal actions on backlog of State submittals.

Measure:

- a. Appropriate assistance is provided EPA staff responsible for completing federal action on each submittal to facilitate final EPA action on each.

STATUS: *Regular support is provided to EPA staff, including retrieving documents from Archives and sending copies of materials to EPA. Several important submittals have been approved this year.*

IV. DAQ STRATEGIC GOAL

MAINTAIN DELEGATION OF FEDERAL PROGRAMS

Delegation of federal air quality programs identified in the Clean Air Act Amendments of 1990 by developing appropriate plans, programs, policies, procedures and rules and by actively influencing non-delegated federal air quality programs to reflect Utah needs.

Measures:

- a. Delegated programs are maintained and meet Utah needs.
- b. Program activities result in minimal federal intervention.
- c. Federal and state air quality regulations and rules are reviewed regularly and changes are made to ensure continued authority, applicability and enforceability.

DIVISION ANNUAL GOALS

- 1. Implement designated facility plans, NSPS, NESHAPS, MACTs, CTGs and RACT.

Measure:

- a. MACT Standards that apply to sources in Utah are adopted and implemented through the Operating Permit process as they are developed and promulgated by EPA.

STATUS: *Two MACTs were adopted into the Utah Air Rules (R307-214-2 during 2004. Proper notification was submitted to EPA Region 8 following the rule adoption process.*

- b. NSPS standards that apply to sources in Utah are adopted and implemented through the permit process as they are developed and promulgated by EPA.

STATUS: *New and revised NSPS standards continue to be adopted in Utah and implemented through the permit process.*

- c. Rules implementing specific source RACT are developed and implemented as appropriate.

STATUS: *New and revised RACT requirements are implemented through the permit process as appropriate.*

- 2. Continue to submit data to EPA as required by EPA.^{CPM A7}

Measures:

- a. Quality assured ambient air pollution data will be submitted to AIRS no later than 90 days after each calendar quarter.

STATUS: *Quality assured ambient data was submitted to EPA's AQS within 90 days after each quarter.*

- b. Data precision and accuracy assessments will be submitted to AIRS no later than 90 days after each calendar quarter.

STATUS: *The P&A data were submitted to EPA's AQS but some quarters were submitted beyond the 90 day period after each quarter.*

- c. The database is monitored on an ongoing basis for accuracy and completeness.

STATUS: *The data base was monitored continuously for accuracy and completeness.*

- d. Data summary reports are printed for regulatory and public use as appropriate.

STATUS: *Data summary reports were prepared and printed for Board, regulatory and public use.*

V. DAQ STRATEGIC GOAL

INFLUENCE STATE, REGIONAL, AND NATIONAL POLICY

Influence Utah, regional and national air quality policy by actively participating with the Utah Legislature and active involvement with established regional and national policy making organizations.

Measures:

- a. Participation in Utah, regional and national policy-making organizations.
- b. Utah, regional/national policies reflect State and program needs/ requirements.

DIVISION ANNUAL GOALS

- 1. Active participation in appropriate Utah, regional, and national policy-making organizations.

Measures:

- a. The DAQ provides input into the work products of the WRAP, WESTAR, STAPPA, WGA, and FACA Mobile Source Committee.

STATUS: *DAQ staff participated extensively in the WESTAR committees, all WRAP committees and forums, and in STAPPA committees.*

- b. Where offered and appropriate, DAQ employees assume leadership roles in the activities of forums, teams, or committees of WRAP, WESTAR, STAPPA and AWMA.

STATUS: *DAQ Staff participates actively in several committees in these organizations and*

takes active part in discussions and leadership of the committees, as appropriate.

- c. DAQ information is provided to the Administrative Rules review committee and other legislative bodies as requested.

STATUS: *DAQ staff regularly attends appropriate meetings of the Administrative Rules committee and works with the DAR staff to offer appropriate comments to the committee.*

- d. DAQ actively participates in appropriate meetings of the MPOs.

STATUS: *Ongoing. Meetings with the MPOs are conducted regularly to discuss on-road mobile source emissions inventory modeling and on-road mobile source SIP budgets.*

VI. DAQ STRATEGIC GOAL

INCREASE PUBLIC AWARENESS

Educate the general public and small businesses about the sources of air pollution, methods to reduce emissions, and the personal and economic benefits of voluntary reductions of air pollution.

Measures:

- a. Public awareness of the causes of air pollution is increased.
- b. Voluntary measures are quantified and used as control strategies where appropriate.
- c. School curricula are developed and staff trained appropriately.

DIVISION ANNUAL GOALS

- 1. Provide information to the public that may result in lower emissions from the transportation sector of the inventory.

Measures:

- a. Information is prepared and disseminated that promotes the use of alternate fuels.

STATUS: *DAQ has worked in coordination with Clean Cities of Salt Lake to promote alternate fuels to the public. This includes presentations to schools and transportation forums for the public and for transportation professionals.*

- b. The Choose-Clean-Air campaign is continued.

STATUS: *The Choose Clean Air program was continued during the summer of 2005.*

- c. No-drive-days and no-burn-days are continued.

STATUS: *The no drive days were continued in the summer and the no burn days were continued during the winter periods from November 1 through March 1.*

- d. Information regarding alternate commute options is provided to appropriate agencies.

STATUS: *Alternate commute options are supported by DAQ through our close association with the Utah Transit Authority Rideshare and the Clean Cities of Salt Lake programs. DAQ has provided technical support to these organizations. In addition, DAQ has created media campaigns to make the public aware of alternate commute options.*

- 2. Respond to questions from the public regarding air quality issues.

Measure:

- a. Respond to questions from the public regarding air quality issues in a timely manner.

STATUS: *Staff responds quickly to public requests for information, and requests are tracked to be sure responses are timely. Staff have developed a list-server to notify interested parties, particularly the sensitive population, of anticipated strong wind events and the possible natural events that may be caused by those winds. Instructions for getting on that server are included on the DAQ home page, and staff routinely lets interested parties know about this function in public meetings.*

- 3. Conduct community outreach and analysis concerning air toxics issues as determined appropriate by the division and considering available resources and report results to EPA.

Measure:

- a. Work completed based on need and resources.

STATUS: *In 2005, DAQ has continued to collect air toxics sample at the Bountiful Air Monitoring station. The site is part of the program called the National Air Toxics Trends System (NATTS). EPA required that the NATTS site be located at a station having a speciated PM_{2.5} sampler, such as the one at Bountiful. The site is designated as "neighborhood scale" State or Local Air Monitoring Station (SLAMS) sites for air monitoring. Each sample is analyzed for 136 organic compounds, including 44 of the 189 HAPs listed in the Clean Air Act, and 16 of*

the 33 HAPs in EPA's Urban Air Toxics Strategy. Ten metals are also sampled, including seven HAPs on the Urban Air Toxics Strategy list.

DAQ took 13 integrated VOC samples near Action Target in West Provo to check the company's paint emissions. Earlier, DAQ required the source to modify its Approval Order by raising its paint booth stack and changing its paint formulation. VOC monitoring this summer showed a large reduction in HAPs emissions (ethyl benzene and xylene isomers) and low levels of emitted naphtha-based substitutes.

For a second winter, DAQ will partnership with Utah State University in monitoring VOCs and respirable particulates (PM2.5 and PM10) in Cache County during the valley's strong inversion episodes resulting in high PM2.5 levels comprised principally of ammonium nitrate. DAQ supplies trailers in Logan and Amalga, summa canisters, air samplers, and sorbent tubes for the collection and characterization of air toxics. Staff from USU collect the samples.

Following collection, DAQ sends the samples to a contract laboratory for the analysis of ozone precursors (C2 through C12 aliphatic and aromatic hydrocarbons). DAQ's joint research effort with the University, Bear River Health Department, and local communities in Cache valley will assist in characterizing the build up of air toxics during wintertime inversions in the air basin, and in identifying, hopefully, the chemical mechanism by which ammonium nitrate is formed under inversion conditions. Answers to these questions should help decision makers formulate strategies to reduce respirable particulate concentrations during inversions in the valley.

Routinely, DAQ leaves clean, evacuated Summa canisters with state residents to collect whole-air samples from offensive VOCs or mercaptans. The division has a contract with a local laboratory to analyze the samples VOCs or for sulfur compounds

DAQ is working in conjunction with the Utah Division of Natural Resources, the states of Nevada and Idaho, US EPA regional offices, the Nevada gold mines, and the public on Mercury transportation and exposure issues.

Facilitated a community/business stakeholder group for Action Target in Provo with the focus of developing an agreed upon sampling protocol to determine emission levels. Results are now coming in and we will be going back out to the stakeholder group to answer questions and determine follow-up (if any)

Participated in departmental pre-design meetings to review environmental requirements for businesses either looking to locate or expand operations. Meetings attended by business/industry rep and a staff member representing each DEQ program.

EPA's Portion of the PPA

Division of Air Quality

1. EPA Region VIII will work with UDAQ as necessary and appropriate when reviewing SIP submittals to clarify issues and communicate actions that may affect Utah.
2. EPA Region VIII will participate in UDAQ Board Meetings when specific issues regarding the partnership between EPA Region VIII and UDAQ are part of the agenda and travel funds permit.

Planning Branch

1. EPA Region VIII will work with EPA HQ when appropriate to help elevate issues to the national level that are uniquely western issues.
2. EPA Region VIII will work with other affected EPA offices when appropriate to consider various approaches to addressing specific issues that impact Utah.
3. EPA Region VIII gives timely attention to any intermediate work products that are developed in the SIP process so as to provide UDAQ its feedback during project development rather than at the end.
4. EPA makes every effort to determine completeness and to take final action on regulatory actions submitted by Utah in accordance with statutory time frames considering existing resources.
5. EPA Region VIII and UDAQ will work together to prioritize existing SIP submittals and on identifying upcoming SIP revisions. EPA Region VIII will keep UDAQ informed on the status of actions.

Permitting Branch

1. EPA will provide review and comments as appropriate for the ITAs within the 30 day public comment period.

STATUS: Compliance and Enforcement Activities

1. EPA Region VIII, Office of Enforcement, Compliance and Environmental Justice and Utah

Division of Air Quality will work to keep each other informed of important and potentially controversial activities involving regulated sources in Utah, including activities involving national and regional initiatives. EPA continues to implement PSD/NSR, Coal Fired Power Plant, and Refinery initiatives nationally and is working to develop an Oil and Gas initiative regionally.