

FY2004 END OF YEAR REPORT

DEPARTMENT OF ENVIRONMENTAL QUALITY DIVISION OF AIR QUALITY FY 2004 GOALS

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. Issues surrounding the current SO₂ Maintenance Plan will be resolved with EPA, and a revised plan is submitted to EPA for review and approval.

RESULTS: *The Maintenance Plan has been proposed by the AQB, and sent to EPA for review. Comments have been received by DAQ. DAQ and EPA staff plan to meet to discuss and finalize the plan.*

- b. The process continues to develop a PM₁₀ SIP Maintenance Plan based on UAM-AERO for submission to EPA by March of 2004.

RESULTS: *The inventory and modeling work has been completed. Industrial sources have been given emission limits that would be contained in the SIP. A stakeholder meeting was held to review the modeling, potential rule changes, emission limits, and general maintenance strategies.*

- c. The process continues to develop the Regional Haze SIP for submission to EPA by December of 2003.

RESULTS: *The Regional Haze SIP was submitted to EPA on time and is awaiting their approval. The RAVI MOA has been developed in cooperation with the NPS, and is in the process of obtaining necessary signatures. This will be the first RAVI MOA in the US, and will be submitted to EPA in support of the ongoing effort to obtain EPA approval of the 309 Regional Haze SIP.*

- d. A CO Maintenance Plan is prepared for Provo/Orem and submitted to EPA for review/approval.

RESULTS: *The Provo Maintenance Plan was submitted to EPA.*

- e. Monitor progress with the development of the 8-hr ozone standard and PM_{2.5} standards and make recommendations as appropriate for the initial designations.

RESULTS: *The initial designations for both pollutants were submitted to EPA on time.*

- f. A Natural Events Action Plan is prepared and submitted to EPA for review and approval.

RESULTS: *The draft NEAP was submitted to EPA and staff continues to work with EPA to finalize it.*

- g. UDAQ and EPA will continue to work toward resolving the Part D SIP requirements

for Ogden City PM10.

RESULTS: *The PM10 Maintenance Plan under development includes Ogden. The State will rely on the “Clean-Data Areas” approach to meeting the Part D SIP requirements.*

- h. UDAQ and EPA will continue to work to address issues that exist within the current SIP per DAQ’s April 18, 2002 letter to EPA.

RESULTS: *The State and EPA continue to work on resolving these issues.*

- 2. Existing SIPs are implemented.^{CMP A7}

Measures:

- a. The implementation of the government agency Employer-based Trip Reduction Program required in the Ozone Maintenance Plan will continue.

RESULTS: *DAQ supported the Employer-based Trip Reduction plan by collecting trip reduction plans from trip reduction coordinators and working with the Utah Transit Authority to train the coordinators from government agencies and local businesses in the collection of data and the marketing of trip reduction to other employees. The progress review indicates that many agencies met and in some cases exceed their drive-alone goal.*

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

- a. Assist the Cache MPO to identify potential PM2.5 areas of concern and provide them with the information they need to make decisions regarding air quality.

RESULTS: *DAQ supported the Bear River Health Department in developing its woodburning control program. UDAQ provided funding and assistance to Utah State University to complete a PM saturation study during the winter of 2003/2004, has established additional monitors in the area, is working with Idaho DEQ to get monitoring data from the northern Cache Valley, and expanding the monitoring studies in the valley, including the addition of ammonia and VOC monitoring in the area.*

- b. Assist the Washington County elected officials as they study causes of ozone in the St. George area.

RESULTS: *The State continues to work with elected officials in Washington County.*

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

Measures:

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

RESULTS: *The Title V inventory was completed on time.*

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

RESULTS: *A HAP inventory meeting the requirements of the CERR was collected on time.*

- c. Non-HAP / non-criteria / non-MACT regulated pollutants are inventoried by August 15.

RESULTS: *The Title V inventory for these pollutants was completed on time.*

- d. The point source annual inventory is uploaded to EPA by June 28.

RESULTS: *The inventory was uploaded to EPA on time.*

- e. The inventories required for the Provo/Orem CO Maintenance Plan, Salt Lake County/Utah County/Ogden City PM10 Maintenance Plan, and Regional Haze SIP are developed as required.

RESULTS: *These inventories were completed as required for the SIP development work.*

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

Measures:

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

RESULTS: *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.

RESULTS: *The annual Monitoring Network Review was completed for 2004 and a draft given to EPA in August 2004. A final version was submitted to EPA in October 2004.*

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

RESULTS: *The PM2.5 monitoring network of 16 monitoring locations has been maintained.*

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

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

- d. Appropriate participation in the Improve Steering Committee and WRAP Monitoring Committee.

RESULTS: *AMC has not participated with the Improve Steering Committee. The AMC staff have not been involved in the WRAP Monitoring Committee.*

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

RESULTS: *New stations were based on population and saturation studies.*

- 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.

RESULTS: *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.

RESULTS: *The CMS for 2005 was submitted prior to November 15th 2004.*

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

RESULTS: *864 asbestos notifications were approved, 587 individuals and 49 asbestos companies were certified, 4204 asbestos phone calls were answered and 125 asbestos inspections were conducted.*

- c. The work program for the AHERA Toxic Substances Compliance Monitoring Grant

is implemented.^{CPM A7}

RESULTS: *The AHERA grant was implemented with 48 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}

RESULTS: *The LBP grant was implemented which included the legislative authority to implement TSCA 406 LBP programs.*

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.

RESULTS: *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.

RESULTS: *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.

RESULTS: *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.

RESULTS: *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.

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

- d. Streamline permitting process by developing more permits by rule, general permits, and upgrading permitting forms.

RESULTS: *This is an ongoing process that is continually being performed, including the new NOI application forms that were rewritten for accuracy and clarity.*

- e. Continue making improvement in the implementation of the de minimis rule and flexibility provisions.

RESULTS: *This is an ongoing process that is continually being performed.*

- f. Complete review of permitting process and document processes/procedures for redesign of the NSR database user-interface to support NSR permitting.

RESULTS: *We are in the process of developing an RFP to complete this objective.*

- 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.

RESULTS: *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.

RESULTS: *Ongoing - All statistics were collected for site inspections, monitoring, inventory, etc. following the existing QA protocols. The following improvements were made in 2004.*

1. *The SIP, Technical Analysis and Mobile Sections have upgraded application of the Emissions Inventory Improvement Program (EIIP) to coordinate the input of point, area and mobile emissions data with EPA guidance for modeling input and emissions reporting.*
 2. *SIP Inventory Group has completed customized computer worksheets for all of the large major point sources and the majority of the major point sources to facilitate electronic transfer of inventory data and automate the QC/QA of the data. This will result in faster less labor intensive information transfer without loss of quality in future inventory reporting.*
 3. *Compliance and HAPs adopted a "Compliance Advisory" action that is between a "SCAN" and an "NOV" that allows resolutions and settlements with out full NOV action. Compliance and HAPs have also developed a standardized computer aided penalties calculation system that adds consistency to the process.*
 4. *AMC upgraded the QA/QC procedures for PM_{2.5} monitoring, incorporated new QA/QC procedures for new API NOx and Aethalometer (Carbon) monitors*
- b. Rules, regulations, procedures, policies, and protocols are complied with.

RESULTS: *The federal NSR Reform rules and Excess Emissions rules are being reviewed for implementation.*

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

RESULTS: *All commitments were met or exceeded. Data to verify that commitments were met is in AIRS. Quantitative summary of accomplishments is contained in the FY2005 CMS/CPOP.*

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

RESULTS: *The State and EPA 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.

RESULTS: *Web information is routinely updated. Air quality permitting and compliance status was incorporated into the Department's cross-media web page. All proposed rules, rule summaries, and comments are routinely posted on the web.*

- b. Staff input to the web page increases, including increased availability of public documents, data, charts, graphs, project status, etc. The Mobile Sources Section will work with the web master to create a Mobile Sources web page.

RESULTS: *The Planning Branch has worked with CAST to develop a proposed web-based inventory data submittal system and presented a "proof-of-concept" to appropriate management and is now working on obtaining necessary funding to proceed with full implementation. Progress continues on development of a web page for public dissemination of emissions inventory information.*

Besides permitting information, to include Title V permits on-line, NSR permit applications received and permits available for public comment, the Emissions Offset Registry is posted on the web and is kept current as changes take place.

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.

RESULTS: *As the SIPs and various rules have been developed, appropriate stakeholders were involved.*

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

RESULTS: *Several public meetings were held to gain input from the public and industry during the development of the PM10 Maintenance Plan, and the CO Maintenance Plans, and to address a potential air quality problem in the Cache Valley.*

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

RESULTS: *The PM10 Stakeholders have been involved appropriately in the development of the Maintenance Plan. The DAQ is in the process of developing an inclusive stakeholder group to address issues in the Cache Valley.*

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.

RESULTS: *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.

RESULTS: *Ongoing. 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.

RESULTS: *Assistance 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.

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

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

RESULTS: *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.

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

- b. Staff developing emissions inventories and approval orders will coordinate their work better to assure compatibility and reduce duplication of efforts.

RESULTS: *The Inventory and NSR staffs continue to coordinate their work.*

- c. Issuing Approval Orders and developing point-source emissions inventories and SIP Limits dealing with point sources will be coordinated.

RESULTS: *The NSR and SIP Development staff have worked very closely on industrial emissions calculations and potential control measures for the PM10 Maintenance Plan and with the development of rules to implement new federal Excess Emissions and NSR rules.*

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

Measures:

- a. Develop an operational AMC web-based visualization of air quality and meteorology data in conjunction with the cooperative EMPACT grant.

RESULTS: *This project was completed by the staff from several sections of DAQ and staff*

from AGRC at the capitol during the spring of 2003 and can be found at URL <http://atlas.utah.gov/utahair/>

- b. Develop visualization application(s) for UAM output.

RESULTS: *This work is on going. GIS is used to display output of UAM-Aero for both the CO and PM modeling completed for redesignation requests.*

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

RESULTS: *This work is ongoing. GIS was used to display emissions and meteorological data for gridding and QA purposes in conjunction with SMOKE emissions processing for both the CO and PM modeling completed for redesignation requests. It was also used for graphical display of modeling results of the SO2 Maintenance Plan.*

III. DAQ STRATEGIC GOAL

PARTNER WITH OTHER IN-STATE 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.

DIVISION ANNUAL GOALS

- 1. Work 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. An emissions tracking system is developed to calculate air emissions from prescribed

fires, managed natural fires, and wildfires.

RESULTS: *In cooperation with Federal and State Land Managers, we continue to operate an electronic emissions tracking system that calculates air emissions from prescribed fires, managed natural fires, and wild fires.*

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

RESULTS: *The MOU developed between the DAQ, DEQ, and State and Federal land management agencies that continues to specify responsibilities of the smoke management coordinator, funding arrangements, and other administrative details.*

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

Measures:

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

RESULTS: *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. The DAQ is currently working with the MPOs to develop a Transportation Conformity SIP for Utah that will probably be adopted this fiscal year.*

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

RESULTS: *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.*

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

RESULTS: *No new monitoring sites were established that required training local health department staff. No requests for training have been received. 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.*

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

RESULTS: *The Indian Reservations have been notified of our down-link training.*

3. Actively participate in the work of local planning agencies and organizations.

Measures:

- a. Participation in Clean Cities which promotes the use of alternate fuels and alternate-fueled vehicles for state/local governments. Advice will be provided on fuels issues to improve air quality in Utah.

RESULTS: *DAQ attends public meetings of Clean Cities and provides technical guidance on some fuels issues. This agency supports the discussions on improving alternate fuel infrastructure and increasing the numbers of associated fleets in Utah.*

4. 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.

RESULTS: *DAQ completed a report for EPA on the benefits of the diesel I/M program in Utah. This report uses the quantitative emissions benefits from a Radian report to estimate an emissions reduction in Utah as a result of the program.*

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

RESULTS: *We are providing technical assistance to Cache County Bear River Health Department staff on mobile source issues. We facilitated a one-time deployment of the Utah County Remote Sensing Device to Cache County to demonstrate its capability.*

Ongoing. Technical assistance is provided through regular meetings with county I/M program staff (I/M Advisory Board Meetings) and through informal contacts.

5. 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.

RESULTS: *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.

RESULTS: *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.

RESULTS: *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.*

- 6. 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.

RESULTS: *Regular support is provided to EPA staff, including retrieving documents from Archives and sending copies of materials to EPA.*

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.

RESULTS: *Fifteen 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.*

- 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.

RESULTS: *The staff is preparing a revision to the AQB Rules to update the incorporation of new NSPS requirements into Utah Rules.*

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

RESULTS: *No new RACT rules were developed this year.*

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.

RESULTS: *The quality-assured ambient air data were routinely submitted to AIRS within 90 days after each quarter. There were some delays caused by EPA work on the new AIRS system, during which time AIRS was not operating.*

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

RESULTS: *The precision and accuracy assessment information was submitted to AIRS within 90 days after each quarter.*

- c. As the federal database is revised and implemented, state capabilities to upload data are upgraded.

RESULTS: *As the EPA AIRS database was improved, revised, and reworked, the AMC maintained the capability to upload the data to AIRS. As the web-based inventory data submittal project is developed, one of the requirements will be that it results in easier upload of inventory into the federal database.*

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

RESULTS: *As the NEI is implemented and updated, the DAQ inventory is updated and checked for accuracy of the upload. The ambient air portion of the database is monitored for accuracy and completeness using utility software as part of the AIRS database. Reports and personal review are also used to assure accuracy and completeness.*

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

RESULTS: *Data summary reports are printed and made available for public use. The summary reports are also posted on the AMC website.*

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.

RESULTS: *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.

RESULTS: *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.

RESULTS: *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.

RESULTS: *Ongoing. Meetings with the MPOs are conducted regularly to discuss on-road mobile source emissions inventory modeling and on-road mobile source SIP budgets. The State is working with the MPOs to develop a Transportation Conformity SIP to document this process.*

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.

RESULTS: *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.

RESULTS: *The Choose-Clean-Air campaign has been supported by contact with the public through presentations at schools, environmental fairs, and transportation forums.*

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

RESULTS: *No-drive-days and no-burn-days are supported by contacting the public through the print, radio, and television media as well as by direct email and fax contact of key individuals within organizations. The Air Monitoring Center provides the indication that one of these conditions has been activated.*

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

RESULTS: *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.

RESULTS: *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.

RESULTS: *The Utah Division of Air Quality (DAQ) has collected air toxics samples since November 1999, using funds from the federal EPA, in a program that is now*

called the National Air Toxics Trends System (NATTS). From November 1999 through December 2002, 24-hour air samples were collected every sixth day at DAQ's West Valley air monitoring station. In 2003, air toxics monitoring was moved from West Valley to Bountiful because 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 two sites are 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 hazardous air pollutants (HAPs) listed in the Clean Air Act, and 16 of the 33 HAPs in EPA's Urban Air Toxics Strategy. Beginning in 2002, 10 metals are also sampled, including seven HAPs on the Urban Air Toxics Strategy list.

DAQ has monitored for chlorine and hydrogen chloride at its Grantsville site in response to citizens who are concerned that US Magnesium (formerly MagCorp) is exposing them to unhealthy levels of the two air toxics emitted at its Rowley plant. From April 1993 through June 2003, DAQ staff have sampled for gaseous and aerosol HCl using annular denuders and chloride analysis. In 1996, DAQ purchased a real-time chlorine analyzer for its Grantsville site. The sampler provided hourly-averaged ambient concentrations of Cl₂. It was operated 16 months at the site. Only 26 hours of data from more than 8,000 hours of instrument operation showed detectible levels of chlorine (3 ppbv or higher). In 1998, the instrument was converted to test for hydrogen chloride and ran sporadically from July 1998 to March 2003.

DAQ has also conducted community outreach activities and epidemiological studies related to the US Magnesium facility.

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.

An attempt was made this summer to monitor air releases from asphalt plants for polycyclic aromatics (PAHs) and other semi-volatiles.

In the past in Davis County, DAQ conducted community outreach activities, including public meetings, related to the WES incinerator to address citizens' concerns about the dioxins emitted from the incinerator. A 2-year cancer cluster study was conducted in the area surrounding the WES facility. Additionally, DAQ established a web-based resource for area residents on the DAQ website that specifically addressed issues concerning the WES incinerator, its permit, and the permitting process.

For approximately the past 9 years, DAQ has had a HAP modeling rule in the permitting process for sources requesting an increase in HAP emissions.

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

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

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.