

DEPARTMENT OF ENVIRONMENTAL QUALITY

DIVISION OF AIR QUALITY ANNUAL GOALS FY 2000

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:

- CPM→
A1,P2
CPM→
A2
- a. National Ambient Air Quality Standards are attained and maintained.
- b. National Emission Standards for Hazardous Air Pollutants are attained and maintained.
- 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.
- g. Appropriate emission inventories are completed and trends developed.
- h. Appropriate permits are issued in accordance with the Clean Air Act and State law requirements.

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- CPM→ 1. Appropriate SIPs are developed and implemented and pre-1997 NAAQS revoked in all areas of the state.
A6

Measures:

- a. An SO₂ Maintenance Plan is prepared and submitted to EPA for review and approval by December, 1999.
- b. The Inventory Section of the SIP is reviewed and revised as appropriate by December, 1999.

- CPM→ 2. Existing SIPs are implemented
A7

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. A process for implementing VOC CTG's is developed within 30 days of publication by EPA of a new VOC CTG, if appropriate to the State.
- c. The implementation of the government agency Employer-based Trip Reduction Program required in the Ozone Maintenance Plan. Statistics are under review to determine the progress of individual agencies in meeting their six-year 20% drive-alone reduction goal. If appropriate, a revision in the program will be proposed by June 30, 2000.

- CPM→ 3. Appropriate Inventories are developed and improved.
A5, A9

Measures:

- a. The Title V 1999 inventory is prepared by August 15, 2000.
 - b. A 1999 HAP inventory is prepared by August 15, 2000.
 - c. Non-HAP / non-criteria / non-MACT regulated pollutants are inventoried by August 15, 1999.
 - d. The 1997 Major source annual inventory is uploaded to EPA by September 1, 1999.
 - e. An ammonia inventory is completed by October 1, 1999.
4. PSD increment tracking continues to meet federal requirements.

Measures:

- a. Major Sources are tracked for increment consumption as permits are issued.
 - b. A work group involving staff from the Technical Analysis, SIP Development, NSR, Monitoring, and OPs Sections is formed to study a methodology for tracking minor Source SO_x, NO_x, and PM by December 31, 1999.
 - c. PSD tracking will be addressed in the design of the NSR database permitting system that is under development.
5. 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.

Measures:

- a. The annual Monitoring Network Review is completed and submitted to EPA by June 30.
 - b. PM 10 monitoring sites are reviewed and sited as necessary.
 - c. A mercury monitoring network is established as required by EPA regulations.
 - d. Toxic air pollutants are monitored at Grantsville as determined necessary.
 - e. Appropriate participation in the Improve Steering Committee and WRAP Monitoring Committee.
 - f. The need for an ammonia monitoring network is reviewed and coordinated with EPA and appropriate sections in DAQ.
 - g. Locations for new monitoring sites are based on current emission inventories and air quality modeling.
 - h. For PM 2.5 develop and implement a database management plan that meets EPA requirements reporting and quality assurance requirements.
6. Implement Urban Airshed Modeling for Utah County CO redesignation, and ozone formation along the Wasatch Front as it applies to the new ozone NAAOS.

Measures:

- a. Submit a final report of the Wasatch Front Ozone Study for review to DAQ, DEQ, AQB, and EPA. Have completed report written by 5/15/99.

- b. Evaluate and incorporate available meteorological and air quality data that is applicable to UAM modeling.
- c. Develop two new episodes from the summer of 1998. These episodes will be evaluated with the new 8 hour ozone standard. A part of this evaluation will be to address the adequacy of UAM-IV as an analysis tool for a potential 8-hour ozone SIP.
- d. Based on the outcome of negotiations between EPA and Utah County, begin a reanalysis of CO in the Provo/Orem area. Modeling protocol development for a UAM CO study to begin in the last quarter of 1999.
- e. Secure funding and participate in a year long meteorological study with the University of Utah to incorporate more robust meteorological modeling in to the UAM modeling process; July, 1999 to July, 2000.
- f. Develop in-house expertise with the use of the CALMET meteorological model by December 1999.

7. Pro-active pollution reduction measures are reviewed and implemented as appropriate.

Measures:

- a. Pollution prevention measures are promoted during permit development where appropriate and feasible.
- b. Phase II of the EPA Greenhouse Gas grant is completed and sources where significant green gas reductions are possible are identified.
- c. Feasibility of Stage I at gasoline stations statewide reviewed and a report presented to the Board by May 31, 1999.

Stage I proposed in Utah and Weber Counties by Board on April 1, 1999. Rule is expected to become final in July 1999. Implementation date will be May 1, 2000.

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

Measures:

- a. Maintain for review by EPA and the State compliance of stationary sources through the compliance monitoring strategy by November 15, 2000.

ASB→

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

- c. The work program for the AHERA Toxic Substances Compliance Monitoring Grant is implemented.
- LD→ 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.
- e. A method is developed and implemented to use the inventory data to verify synthetic minor / de minimis source status, coordinate HAPs inventory data with TRI data, and verify allowable vs. actual emissions as part of the new NSR data base system.

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 implemented as described in program approval from EPA.
- b. The provisions of the Acid Rain Act and 40 CFR Part 72 and Part 76 are implemented.

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.
- b. Air quality modeling is completed to ensure the protection of the NAAQS and PSD increment ceilings in class I and class II areas.
- c. Hazardous air pollutants (HAP) emissions are documented and reviewed, and if necessary, air quality modeling for HAP sources is completed to assess the ambient impact.
- d. Streamline permitting process by developing more permits by rule, general permits, and upgrading permitting forms.
- e. Continue making improvement in the implementation of the de minimis rule and flexibility provisions.

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

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

Measure:

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

12. Quality Assurance programs are reviewed for effectiveness.

Measures:

- a. Statistical quality standards are met.
- b. Rules, regulations, procedures, policies, and protocols are complied with.
- c. Regulatory activities will be documented including the appropriate technical support.
- d. The State and EPA agree on the adequate quality of air program results.

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.

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1. The rules of the Air Quality Board are reorganized and rewritten to be more clear and usable.

Measure:

Progress in implementing Phase II (Non-Substantive changes, and NOT changing the intent of the rules - CAA references, capitalization, etc.) and Phase III (Substantive and possibly changing the intent or clarifying the intent of the rules) continues.

2. The internal rule-writing procedures document is completed.

Measure:

The rule writing procedures document is developed in coordination with legal staff, presented to managers in DAQ Quality Council, presented to individual sections in section meetings, and made available to all staff of the Division.

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

Measures:

- a. Provisions are made for external customers to comment on proposed rules, submit inventory data, and submit NOIs via the web, as well as providing clear and accurate information via 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.
- OS→ c. The Division web structure conforms to the Department's One-Stop Program allowing external and internal customers a single access point for environmental data.

4. Involve affected entities in the rulemaking, 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.
- b. Meetings are held to address a variety of issues including environment, health, and economic concerns, statutory requirements and implementation.

SBA→ 5. The small business assistance program (SBAP) is maintained which actively assists small businesses to comply with rules of the Board.

Measures:

- a. Educational Assistance is provided to all small businesses affected by adopted NSPS and MACT standards.
- b. As appropriate, the Small Business Advisory Panel's role is modified to increase the effectiveness of the SBAP.
- c. Voluntary on-site assistance is provided.
- d. The small business work plan for the Small Business Advisory Panel is modified as appropriate to better provide assistance needs.
- e. Assistance tracking is modified as appropriate to better provide and measure assistance needs.

6. 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.
- b. Performance plans will be prepared that include responsibility for involving internal customers in each employees work product.

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

Measures:

- a. Develop operational AMC desktop visualization of air quality and meteorology data by September, 1999.
- b. Use the development of the AMC desktop visualization as starting point for a more feature rich, web based GIS environment to provide inter-departmental access to DEQ data. This GIS environment will be JAVA program based, integrated with the DEQ/DAQ data base and has been named the Java Utah GIS (JUGIS).
- c. On-going development of visualization application(s) for UAM output.

- d. Continue support of modeling efforts with GIS application already developed, accommodating changes as needed by the modeling staff.
- e. Completion of EPA sponsored GIS-Coordinates Project by September, 1998.
- f. Provide continued modeling and GIS analysis to the QGET/ Envision Utah partnership.

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. Partnership satisfaction and feedback.
- b. Appropriate areas of responsibility are defined for DAQ and local agencies.
- c. Recognition, discussion, prioritization, and resolution of applicable air quality issues occurs.

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- 1. Work to implement the MOU to address controlled, prescribed, and wildland fires in Utah.

Measures:

- a. A method for calculating an annual emissions inventory for wild and prescribed fires is developed by 9/15/99.
 - b. The Smoke Management Coordinator program is implemented by the State in cooperation with affected federal and state land managers.
- 2. Participate as appropriate in activities of other partner agencies.

Measures:

- a. Consultation procedures and a Transportation Conformity SIP are developed and submitted to EPA by December, 1999.

- b. DAQ staff are involved in planning activities of UDOT and UTA.
 - c. DAQ staff works with the local health departments to acquire and analyze vehicle miles traveled (VMT) data for use in inventory work of the division.
 - d. Local health department staff are trained as requested in the siting and operations of monitoring equipment.
 - e. Training and other assistance will be provided to tribal air quality staff as requested and within available DAQ resources.
3. Actively participate in the work of local planning agencies and organizations.

Measures:

- a. Envision Utah considers air quality in the evaluation of its alternative growth scenarios.
 - b. Participate in the refinement and analysis of the Envision Utah Preferred Growth Strategy.
 - c. Participation in Clean Cities which promotes the use of alternate fuels and alternate-fueled vehicles for state/local governments.
 - d. Work with Cool Communities and EPA to establish SIP credits for urban heat island mitigation measures.
 - e. Advice will be provided on fuels issues to improve air quality in Utah.
4. Coordinate with other divisions within DEQ on cross-divisional issues.

Measure:

Publicly Owned Treatment Works (POTW) rules are developed for review and approval in close cooperation with the Division of Water Quality.

5. 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.
- b. Provide technical assistance to LHD I/M program staff.