

## 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.<sup>CPM A1, P2</sup>
- b. National Emission Standards for Hazardous Air Pollutants are attained and maintained.<sup>CPM A2</sup>
- 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.<sup>CPM A7</sup>
- g. Appropriate emission inventories are completed and trends developed.<sup>CPM A1</sup>
- 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.<sup>CPM A4, A6</sup>

**Measures:**

- a. Issues surrounding the current SO<sub>2</sub> Maintenance Plan are resolved with EPA, and a revised plan is submitted to EPA for review and approval as necessary.
  - b. The process continues to develop a PM<sub>10</sub> SIP Maintenance Plan based on UAM-AERO for submission to EPA by March of 2004.
  - c. The process continues to develop the Regional Haze SIP for submission to EPA by December of 2003.
  - d. A CO Maintenance Plan is prepared for Provo/Orem and submitted to EPA for review/approval.
  - e. Monitor progress with the development of the 8-hr ozone standard and PM<sub>2.5</sub> standards and make recommendations as appropriate for the initial designations.
  - f. A Natural Events Action Plan is prepared and submitted to EPA for review and approval.
  - g. UDAQ and EPA will continue to work toward resolving the Part D SIP requirements for Ogden City PM<sub>10</sub>.
2. Existing SIPs are implemented. <sup>CMP A7</sup>

**Measures:**

- a. The implementation of the government agency Employer-based Trip Reduction Program required in the Ozone Maintenance Plan will continue. ~~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.~~
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 PM<sub>2.5</sub> areas of concern and provide them with the information they need to make decisions regarding air quality.
  - b. Assist the Washington County elected officials as they study causes of ozone in the St. George area.
4. Appropriate Inventories are developed and improved. <sup>CMP A1, A5</sup>

**Measures:**

- a. The Title V inventory is prepared by August 15.
  - b. A HAP inventory is prepared by August 15.
  - c. Non-HAP / non-criteria / non-MACT regulated pollutants are inventoried by August 15.
  - d. The point source annual inventory is uploaded to EPA by June 28.
  - 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.
  - f. ~~National Emissions Inventory Database for Utah will be updated every three years.~~
5. PSD increment tracking continues to meet federal requirements.

**Measures:**

- a. Major Sources are tracked for increment consumption as permits are issued.
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.<sup>CPM A3, A4</sup>

**Measures:**

- a. The annual Monitoring Network Review is completed and submitted to EPA by June 30.
  - b. PM2.5 monitoring network is maintained and operated.
  - c. Monitoring data are submitted to EPA 90 days after each quarter.
  - d. ~~Toxic air pollutants are monitored at Grantsville as determined necessary.~~
  - e. Appropriate participation in the Improve Steering Committee and WRAP Monitoring Committee.
  - f. Locations for new monitoring sites are based on current emission inventories air quality modeling and EPA regulation.
7. Pro-active pollution reduction measures are reviewed and implemented as appropriate.<sup>CPM A2</sup>

**Measures:**

- a. Pollution prevention measures are promoted during permit development where appropriate and feasible.
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.
  - b. Asbestos notification, certification, and outreach programs are implemented, and at least 120 on-site inspections are performed.<sup>ASB</sup>
  - c. The work program for the AHERA Toxic Substances Compliance Monitoring Grant is implemented.<sup>CPM A7</sup>
  - 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.<sup>LD</sup>
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.
  - 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) 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.
- 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:**

- a. 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 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.
  - 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.
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.
  - b. Meetings are held to address a variety of issues including environment, health, and economic concerns, statutory requirements and implementation.
  - c. SIP Stakeholder workgroups are supported during development of revisions to the SIP and development of the various Maintenance Plans.
3. The small business assistance program (SBAP) is maintained which actively assists small businesses to comply with rules of the Board.<sup>SBA</sup>

**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 meet assistance needs.
  - e. Assistance tracking is modified as appropriate to better provide and measure assistance needs.
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.
  - b. Staff developing emissions inventories and approval orders will coordinate their work better to assure compatibility and reduce duplication of efforts.
  - c. Issuing Approval Orders and developing point-source emissions inventories and SIP Limits dealing with point sources will be coordinated.
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.
- b. Develop visualization application(s) for UAM output.
- c. Support modeling efforts with GIS applications developed, for spatial allocation of emissions data, meteorological data and other model inputs.

### **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.
  - b. Coordinated with partner agencies to maintain the Smoke Program Coordinator to make necessary burn approval or denial decisions.
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.
  - b. DAQ staff works with the MPOs to acquire and analyze vehicle miles traveled (VMT) data for use in inventory work of the division.
  - c. Local health department staff are trained as requested in the siting and operations of monitoring equipment.
  - d. 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. 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.
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.
  - b. Provide technical assistance to LHD I/M program staff.
5. The Division supports and contributes to the goals and objectives of the Center for Automotive Science and Technology at Weber State University.<sup>MSOA</sup>

**Measures:**

- a. Accurate information provided to stakeholders about the impact of emissions, emission control systems and efficiency of vehicles.
  - b. Mobile source emission education & training provided to local & national automotive technicians, instructors, regulatory officials, field engineers and consumer groups.
  - 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.
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.

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

2. Continue to submit data to EPA as required by EPA. <sup>CPM A7</sup>

**Measures:**

- a. Quality assured ambient air pollution data will be submitted to AIRS no later than 90 days after each calendar quarter.
- b. Data precision and accuracy assessments will be submitted to AIRS no later than 90 days after each calendar quarter.
- c. As the federal database is revised and implemented, state capabilities to upload data are upgraded.
- d. The data base is monitored on an ongoing basis for accuracy and completeness.
- e. Data summary reports are printed for regulatory and public use as appropriate.