

DEPARTMENT OF ENVIRONMENTAL QUALITY DIVISION OF DRINKING WATER

FY 2005 End of Year Report

ENVIRONMENT

DEQ STRATEGIC GOAL

Establish clear, implementable criteria that define excellence in environmental quality, including standards for air, water, and soil, and for activities in pollution prevention, clean-ups, emissions reductions, public education and cost effectiveness of controls.

Measures

- a. Necessary statutes, rules, and guidelines exist.
- b. Regulated customers understand and follow criteria.
- c. The non-regulated customers perceive DEQ programs as fair and protective of health and the environment.

Promote a sustainable relationship between economic development and environmental quality.

Measures

- a. Stakeholders participate in the development and implementation of environmental policies and programs.
- b. Over time, evaluate environmental data in relation to economic improvements within the region.

Provide leadership in Utah, the western region, and nationally on environmental policy and protection.

Measures

- a. Evaluate the results of DEQ participation in targeted state, regional and national policy and regulatory discussions. Identify objectives of participation and achievement of objects.
- b. Success of legislative, budget, and policy initiatives identified and supported by DEQ.

DDW STRATEGIC GOAL

To maintain superior drinking water quality and meet the current and future water demand through ensuring adequate facilities, source protection, Safe Drinking Water Act (SDWA) implementation, timely assistance, and incorporate Utah needs into national policy. Our ultimate goal is to have zero Not Approved public water systems.

Measures

- a. Percentage of community water systems with approved ratings.

STATUS: 96%

- b. Percentage of population served with approved ratings.

STATUS: 99%

- c. Number of completed source protection plans implemented by drinking water systems.

STATUS: 860 systems

- d. Percent of population and community water systems with ground water or surface water protection programs.

STATUS: 91%

- e. Percent of the population served by community water systems that receive drinking water that meets all applicable health-based drinking-water standards through effective treatment and source water protection.

STATUS: 96%

- f. Percent of the population served by community water systems that receives drinking water that meets health-based standards for those requirements with which systems need to comply:

STATUS: *As of December 2001: 2005 Target: 90% 2008 Target: 95% 2005 actual 68%*

As of January 2002 or later: 2005 Target: 70% 2008 Target: 80% 2005 actual 80%

- g. Percent of community water systems that provide drinking water that meets health-based standards for those requirements with which systems need to comply:

STATUS: *As of December 2001: 2005 Target: 95% 2008 Target: 95% 2005 actual 40%*

As of January 2002 or later: 2005 Target: 70% 2008 Target: 80% 2005 actual 40%

- i. Percent of source water areas (both surface and ground water) for community water systems that will achieve minimized risk to public health.

STATUS: *2005 Target: 40% 2008 Target: 50% 2005 actual 34%*

DDW Annual Goals

1. Complete, maintain and enhance the SDWIS database.

STATUS: *Data migration from the existing legacy database to the SDWIS database took much longer than anticipated. Our original goal of being SDWIS ready by March 2005 has been pushed back to March of 2006.*

2. Educate Division of Water Resources of the public health implication concerning secondary irrigation systems and culinary water systems. Allow for DDW cursory review of secondary irrigation project plans and specs and to work with secondary irrigation companies to ensure cross connections are removed and eliminated. Also, try to find a feasible way of informing private well owners in rural areas that are also connected to a culinary water system of the dangers of improper cross connections.

STATUS: *This task was not accomplished due to other priority issues.*

3. Form two Quality Action Teams to implement improvements with Sanitary Surveys.

STATUS: *This task was completed and the Electronic Sanitary Survey effort began in calendar year 2005. We learned the ESS software provided was not as stable as we had hoped so we had to spend a lot more time in development, training, debugging, and field work than we anticipated.*

4. Participate in efforts to help educate legislative water task force to help craft sound water policies for the future of Utah. Revise the SRF rules to: require conservation and management plans conforming to HB 71; include the latest sanitary survey recommendations/requirements as part of the project; and implement the security recommendations adopted by the DWB by resolution.

STATUS: *This task was completed.*

5. Develop and adopt revisions to Utah's UV Disinfection rule, R309-520-14

STATUS: *This effort continues into FY06 and is nearing completion.*

6. Improve source protection compliance.

Measures

Surface Water Source Protection Plans Not Submitted - As of April 2004, 84 percent of all sources designated as “surface water” are in compliance with the surface water source protection rule (R309-605). Our goal is to reduce the number of public water systems (PWSs) out of compliance by at least half, which would improve the compliance number to 92 % of all surface water sources.

STATUS: **2005 actual 87%**

Ground Water Source Protection Plans Not Submitted - As of April 2004, there are 22 sources in use that are owned by 20 PWSs that have not submitted source protection plans. Our goal is to reduce the number of sources out of compliance by 6 (25%).

STATUS: **2005 actual reduced by 19 sources**

Disapproved Ground Water Source Protection Plans - As of April 2004, there are 34 sources in use that are owned by 21 PWSs that have disapproved source protection plans. Our goal is to reduce the number of sources out of compliance by 9 (25%).

STATUS: **2005 actual reduced by 26**

Ground Water PERs Not Upgraded - As of April 2004, there are 38 sources in use that are owned by 36 PWSs that have not upgraded their PERs to source protection plans. Our goal is to reduce the number of sources out of compliance by 19 (50%).

STATUS: **2005 actual reduced by 16**

Ground Water PERs Disapproved - As of April 2004, there are 5 sources in use that are owned by 5 PWSs that have disapproved PERs. These sources are unapproved and should not be in use by these systems. Our goal is to reduce the number of sources out of compliance by 3 (60%).

STATUS: **2005 actual reduced by 3**

PWSs That Have Not Completed Public Notification - As of April 2004, there are 32 PWSs that have not completed the public notification requirement. Our goal is to reduce the number of PWSs out of compliance by 24 (75%).

STATUS: **2005 actual reduced by 16**

Updated Ground Water Source Protection Plans Not Submitted - As of April 2004, there are 25 PWSs that serve populations greater than 3,300 that have not submitted the updated source protection plans for their wells. Our goal is to reduce the number of PWSs out of compliance by 15 (60%).

STATUS: **2005 actual reduced by 21**

7. Achieve 100% compliance with the operator certification rule for all the Community and Non-transient Non-Community water systems.

STATUS: *We didn't quite make 100%. We ended up at 96%.*

CUSTOMER SERVICE

DEQ STRATEGIC GOAL

Both internally and externally operate as a customer-oriented agency by focusing on customer service, building trust and problem solving through cooperative efforts.

- Recognize that customers include the regulated community, stakeholders, co-workers and all interested parties.
- Make timely decisions.
- Improve coordination with internal and external customers.
- Provide effective communication, timely and accurate information, and clear direction to customers.
- Encourage public involvement and informed decision making.
- Involve customers in the rule making process.
- Work with customers to solve problems.

Measures

- a. Decisions and services provided within mutually agreed upon time frames which best meet customers' needs, and provides appropriate environmental protection.
- b. Customer service feedback.
- c. Customer input and feedback during informal and formal stages of rule making.

DDW STRATEGIC GOAL

Maintain an atmosphere of trust between the Division and the Division's customers through timely, accurate and courteous exchanges of information.

Measures

- a. Customer feedback to Department and Division.

- b. Meet established review or response periods.

DDW Annual Goals

None. See core activities.

STATE BASED REGULATION OF ENVIRONMENTAL PROGRAMS

DEQ STRATEGIC GOAL

Administer programs and priorities to reflect the unique conditions of Utah. Programs will be administered at the state or local level, wherever appropriate. Actively influence non-delegated federal programs to reflect Utah needs.

- a. Primacy is achieved and maintained in those environmental program areas in which it is determined to be in the best interest of the state to receive federal primacy.
- b. Utah Issues and DEQ concerns are reflected in state, regional and national environmental policies.

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DDW Annual Goals

- 8. Update the Improvement Priority System Rule and develop a tracking system for enforcement that can be incorporated into the CAP meeting process.

STATUS: A team has been formed and is working on the needed changes to the IPS rule. Rule changes will be done in FY06.

- 9. Develop public service announcements regarding cross connection control and backflow prevention.

STATUS: This was not accomplished during the year. Lack of resources to implement.

PARTNERSHIP WITH FEDERAL, STATE, LOCAL AND TRIBAL GOVERNMENTS

DEQ STRATEGIC GOAL

Improve the effectiveness and efficiency of statewide delivery of environmental services by strengthening relationships with all levels of government.

- Work with federal, state, local (including local health departments), and Tribal governments and provide information to plan for and manage the environmental impacts of growth.
- The Environmental Services Delivery Plan (ESDP) delineates roles and responsibilities, joint goals and objectives, and establishes accountability between DEQ and local health departments and local governments.
- The Performance Partnership Agreement (PPA) delineates roles and responsibilities, joint goals and objectives, and establishes accountability between DEQ and EPA.
- Focus on teamwork and partnership in identifying and resolving problems.

Measures:

- a. Key problems identified by government partners are addressed and solutions developed and implemented.
- b. Effectiveness of the Environmental Service Delivery Plan in developing a state/local partnership, coordinating delivery of services, and obtaining adequate resources.
- c. Effectiveness of the Performance Partnership Agreement in developing a state/federal partnership, coordinating delivery of services and obtaining adequate resources.

DDW STRATEGIC GOAL

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10. Meet with LHDs during the year.

STATUS: *Representatives met with the LHOs once, and CLEHA four times during the year. Staff also participated on two workgroups with LHD staff for local planning and zoning issues.*