

**DEPARTMENT OF ENVIRONMENTAL QUALITY
DIVISION OF WATER QUALITY
FY 2008 GOALS**

I. ENVIRONMENT

DWQ

Protect, maintain and enhance the quality of Utah's surface water and ground water to allow appropriate beneficial uses, and protect public health while giving reasonable consideration to economic impacts.

UPDES ENGINEERING/PERMITS

Maintain an acceptable UPDES Program per agreement with EPA. The Utah Department of Environmental Quality (DEQ) shall fully implement and enforce its delegated UPDES program (including, as appropriate, general permitting, pretreatment, biosolids, CAFO, and storm water programs) as required by 40 CFR Parts 122-124, 403, 501 and 503, its delegation MOA July 7, 1987, SEA, Inspection Plan, and any other agreements with EPA regarding program implementation. The PPA may specify goals and objectives for activities beyond the base level of performance, but, in no way, should this be interpreted as relief from full implementation of the base program.

DEQ certifies that it has, maintains, and implements an adequate UPDES program including pretreatment, biosolids, CAFO, and storm water in conformance with federal and state laws and regulations and conditions set forth in program authorization (delegation) documents. As long as the DEQ maintains an adequate program, the EPA and the DEQ agree that this Agreement shall remain in effect, except as amended through mutual agreement.

Grant dollars awarded by the EPA may be used by the DWQ UPDES Program to perform core program activities to adequately maintain its UPDES program, even when these activities are not specifically defined by goals, measures, and/or reporting requirements.

- Continue to fully implement the ongoing UPDES pretreatment, biosolids, CAFO, and storm_water management programs as per the following "CORE PROGRAM ACTIVITIES" and "COMPLIANCE AND ENFORCEMENT ACTIVITIES" together with the annual FY'2007-8 Division of Water Quality, Goals and Objectives contained in section

UPDES Core Program Activities

1. DWQ will report the number and percent of facilities that have a discharge requiring an individual permit that:
 - (a) are covered by a current UPDES permit (9/30/08 Edith)(WQ-12)
 - (b) have expired individual permits (9/30/08)

- (c) have applied for, but have not yet been issued an individual permit 3/31/08 & 9/30/08 Mike Herkimer or John Kennington)
 - (d) have individual permits under administrative or judicial appeal (3/31/08 & 9/30/08 Mike Herkimer or John Kennington)
2. Each year, 95% of priority permits and 90% of all permits are issued or reissued within the 5 year statutory time frame. If the number of backlogged permits is greater than 30% at any time, provide an overall permit issuance/backlog reduction plan showing how the State will expeditiously reduce the backlog to 10%. (9/30/08 Mike Herkimer or John Kennington)
 3. Number of storm water sources associated with industrial activity, number of construction sites over one acre, and the number of designated storm water sources (including Municipal Phase I and Phase II) that are covered by a current individual or general UPDES permit or other enforceable mechanism. (3/31/08 & 9/30/08 Mike H)
 - a. Number that are covered by each current storm water general permit (e.g., industrial, construction, MS4) (3/31/08 & 9/30/08 (Mike H)(**WQ-13**)
 - b. Number that are covered by current individual storm water permits (e.g., Phase I MS4s) (3/31/08 & 9/30/08 Mike H)(**WQ-13**)
 4. Continue to implement the Storm Water Phase II Regulations. (Ongoing Mike H)
 5. Involve regulatory agencies and the public as necessary to effectively permit storm water discharges. (Ongoing Mike H).
 - a. The State program is accessible by the public and regulated entities (i.e., contact information and web sites, etc.).
 - b. Include EPA in the review process prior to issuing general permits for storm water discharges.
 - c. Track storm water general permit coverage and provide data to EPA on regulated agencies consistent with National efforts for data management (PCS/ICIS).
 6. Identify in ICIS the following Pretreatment Program statistics:
 - a. The number of significant industrial users (SIUs) that discharge to POTWs with approved Pretreatment Programs,
 - b. The number of significant industrial users (SIUs) that discharge to POTWs with approved Pretreatment Programs that have adequate control mechanisms implementing applicable pretreatment standards and requirements. (95% coverage is the Regional commitment)
 - c. The number of categorical industrial users (CIUs) in non-pretreatment programs
 - d. The number of categorical industrial users (CIUs) that have adequate control

mechanisms implementing applicable pretreatment standards and requirements (9/30/08 Jen and Edith)

7. a. Perform inspections on 40% of all approved pretreatment programs
- b. Perform audits on 20% of all approved pretreatment programs. (Ongoing Jen)
8. Continue to assist in implementation of the Utah AFO/CAFO Strategy . Specific commitments include:
 - a. Subsequent to CAFO rule promulgation develop a new General Permit based on revised CAFO Rules. (Ongoing, Don)
 - b. For all permitted CAFOs if available, enter permit facility data, permit event data, and inspection data into ICIS. (Ongoing, Don)
 - c. Inform EPA of animal feeding operations that are impacting water quality annually (9-30-08). (Ongoing, Don)
 - d. Conduct meetings of the AFO/CAFO committee and maintain critical partnerships with NRCS, UACD, the Farm Bureau and the agricultural community.
 - e. EPA will provide CAFO rule development updates, to keep DWQ informed. (Ongoing, Don)
9. Due to promulgation of the Pretreatment Streamlining regulations update State rules and procedures as appropriate to allow for implementation. (12/30/07 Jen)
10. Implement the Sewage Sludge (Biosolids) regulations
 - a. % and # of UPDES permits that contain biosolids language. (3/31/08 & 9/30/08 Mark)
 - b. Maintain data in the ICIS database.
 - c. Revise or maintain current reference for regulations based on adoption of 40CFR 503. (Most recently revised as of July, 1998 and August 4, 1999) (ongoing Mark)

UPDES Compliance and Enforcement Activities

1. Ensure maintenance of information management systems sufficient to plan, track, assess, and make adjustments to program activities.
 - a. Properly enter data into the ICS data system such that the federally required data fields are current. (Ongoing Mike Herkimer, Edith)
 - b. Will provide to the maximum extent possible the RIDE elements required. This

depends on information that is obtainable with the permittee's cooperation and economic restraints. (Ongoing Mike Herkimer, Edith)

- c. Data is entered accurately which includes permitting, compliance, and enforcement data. Utah DEQ addresses this in its self assessment.
- d. DWQ will continue to assess the Watch List on a quarterly basis and coordinate the QNCR with EPA. (Mike Herkimer/Edith, Ongoing)

2. Non Major Facilities Compliance Report.

Continue to report non-major facilities compliance data the same as majors through the ICIS data management system. (Ongoing Edith/Mike Herkimer)

3. Coordinate inspection activities among programs and between the State and USEPA. Incorporate targeted USEPA national and regional priority sectors, as agreed upon between DWQ and USEPA. Include those sectors, as agreed upon, when planning IU inspections by DWQ or USEPA. Consider planning inspections to complement timing and focus on watershed efforts. Inspections will be made in accordance with the mutually agreed to annual inspection plan. (Ongoing Lonnie,Jeff)

- a. Submit draft inspection plan for FFY09 by September 1, 2008, and final inspection plan by October 1, 2008 or within 15 of days of receiving EPA's formal comments on the draft plan if EPA comments are received later than September 15, 2008. (Lonnie)
- b. Track inspections in ICIS. (Ongoing Lonnie, Jeff)
- c. DWQ will conduct the following number of inspections during FY08
Majors----16 CEIs (about half of total majors)
Minors----16 CEIs (during permit renewals)
42 other RI inspections will be performed at minor facilities in FY08 (24 Ind., 18 Munic.).
Pretreatment (Audits and PCIs)----12
- d. EPA Region 8 may conduct up to 10 joint/oversight inspections with DWQ in FFY08 to meet the needs of the SRF review scheduled for FFY2010.

4. Sanitary Sewer Overflows (SSOs)

- a. Respond to SSO when requested by districts, municipalities, and local health departments as requested or if waters of the State are threatened. (Ongoing Jen)
- b. Continue to inventory (ask questions of) permittees for SSO occurrences and resolutions through the Municipal Wastewater Planning Program (MWPP) questionnaire.
- c. Submit to EPA Region 8 a report by October 15, 2008 that will include:

- i Number of UPDES inspections at major facilities where SSO information was received. 9/30/08 (Jen)
 - ii An updated SSO inventory from MWPP surveys. (9/30/08Jen)
 - iii The number of SSOs reported and their cause from the MWPP inventory. (Jen)
 - iv The number and percent of SSO inspections in priority watersheds (as defined by the State) including the name of the priority watershed.
 - v The number and type of informal and formal enforcement actions taken in response to SSOs;
 - vi. The percent of enforcement actions in priority watersheds (as defined by the State) for SSO; and
 - vii A list of SSOs addressed including a description of how 20% of the systems in the SSO inventory were addressed.
- d. The State will take enforcement action as per Utah's EMS whenever deemed necessary to protect waters of the state. (Ongoing Jen)
 - e. Utah will complete an inventory of its collection systems (including satellite systems) in priority watersheds (as defined by the State) and provide the inventory to EPA by December 31, 2007, (Jen).
 - f. DWQ will coordinate with EPA Region 8 to conduct a CMOM type assessment of a medium sized POTWs (10 to 100 mgd facilities). Any facility that exhibits significant problems will be placed on an enforceable schedule to address deficiencies and assure compliance.

4. Storm Water

- a. Division personnel will conduct the following minimum numbers of stormwater inspections of permitted and unpermitted facilities:

Construction Phase I	138	(10% of NOI as of 8-28-07)
Construction Phase II	88	(5% of NOI as of 8-28-07)
Industrial	77	(10% of NOI as of 8-28-07)

All inspections will be entered into ICIS and copies of inspections reports and enforcement actions will be provided to EPA Region 8. (Ongoing Mike,H).

- b. As time and resources allow train additional inspectors (DEQ Scientists and Engineers, Municipal Public Works Depts., County Health Depts. and District Engineers) to perform erosion and sediment control inspections at construction

sites. This should increase the number of overall storm water inspections performed in the state. (Ongoing Mike,H).

- c. Provide EPA with a copy of Utah's current storm water database quarterly on 10-15-07, 1-15-08, 4-15-08, 7-15-08 , either electronically or on CD-rom. (Mike H).
 - d. DWQ will work with EPA Region 8 to address storm water non compliance in the construction and sand and gravel sectors with particular focus on non-filers, permitted facilities where there is water quality degradation and/or a threat to public health.
 - e. DWQ will work with EPA Region 8 to develop Utah's Enforcement Response Guide (ERG) to include stormwater within 6 months of EPA's final storm water ERG.
 - f. DWQ agrees to inspect all new sites associated with a permittee that has been cited in any national enforcement case that Utah has joined after the national consent decree is final.
6. Assure consistent enforcement of WET requirements in permits.
- a. Following EPA's review and comment, revise Utah's WET policy and guidelines in order to assure alignment with EPA's national WET policy and/or regulations. Target 120 days following receipt of EPA's final comments. (Ongoing Jeff)
 - b. Enforce UPDES permit WET limits and compliance schedule violations in accordance with the enforcement guidance contained in its February 15, 1991 "Permitting and Enforcement Guidance Document for Whole Effluent Toxicity Control," and any subsequent revisions. (Ongoing Jeff)
 - c. Utah will submit as part of their annual report, a list of the facilities which have entered into a TIE/TRE during FY08 and a list of any formal enforcement actions which included WET violations, (Jeff).
7. Biosolids-Promote the beneficial use of biosolids
- a. Continue to conduct Biosolids inspections. The goal will be to conduct inspections on 20 % of Utah's biosolids-only permittees annually (15 sites). In the End-of-Year Report, include the number of Biosolids inspections actually conducted. (Ongoing Mark)
 - b. Reissue all biosolids permits which will expire in FY2008 and transition into consolidated permits as needed. (Ongoing Mark)
 - c. Submit an End-of-Year report to EPA (11/30/2008, Mark S.)
8. Enforcement Agreement.

- a. Revise the State/EPA Enforcement Agreement as appropriate and warranted. (9/30/08, John Whitehead).
 - b. EPA will conduct quarterly conference calls with DWQ to discuss the Quarterly Noncompliance Report for major and minor facilities and current and projected enforcement cases to address concerns early in the process.
 - c. DWQ agrees to evaluate all violations and determine an appropriate response per its EMS and take that action.
 - d. DWQ will take timely and appropriate enforcement against facilities in SNC.
 - e. DWQ understands that EPA Region 8 will continue to participate in and to initiate regional and national enforcement cases.
 - f. Region 8 agrees to coordinate with states and will conduct inspections and investigations for regional and national enforcement cases.
 - g. Until State resources become available, EPA will review the DMR-QA results and follow up with facilities. Utah DWQ will be copied on any follow-up.
 - h. DWQ will incorporate approved compliance schedules and deadlines into enforcement actions such that these schedules and deadlines are enforceable under the NOV/Order.
 - i. In cooperation with DWQ, EPA Region 8 may perform inspections in regional and national priority areas according to national guidance. EPA may conduct inspections and issue enforcement actions as appropriate and will advise DWQ prior to such activity.
 - j. EPA Region 8 may perform evaluations of Utah's wet weather enforcement program to determine if violations are being escalated, when appropriate, to enforcement actions.
 - k. DWQ will work with EPA Region 8 to implement the National Wet Weather SNC Policy, once it is finalized.
 - l. DWQ will provide to EPA Region 8 a draft EMS policy for review and feedback by 4-31-08 (Mike Herkimer)
9. Concentrated Animal Feeding Operations (CAFOs) (Ongoing Don)
- a. Continue to implement "Utah's Strategy To Address Pollution From Animal Feeding Operations" (this will include continuing to submit Utah's annual AFO/CAFO Strategy report to EPA Region 8 by February 28th of each year)
 - b. Maintain an inventory of all permitted CAFOs during FY2008
 - c. Inspect at least 40% of the CAFOs during FY2008. (this will include, at a

minimum, inspection of each CAFO at least once during the life of its permit)

- d. Inspect Utah's one unpermitted CAFO by 9-30-08.
 - e. All permits, inspections and enforcement data for CAFOs are entered into ICIS. (hard copies of inspection reports and enforcement actions will be submitted)
 - f. Include in the End-of-Year report for FY2008 (Don):
 - i. Total known number of CAFOs in Utah and of these, the number of permitted CAFOs
 - ii. Total known number of CAFOs in priority areas or other sensitive environmental areas/concerns (proximity to water bodies, time since last inspection and compliance history) and of these, the number permitted
 - iii. Names and HUC codes for priority watersheds in the state
 - iv. Numbers and percent of total known CAFOs in Utah inspected
 - v. Numbers and percent of total known CAFOs in priority areas or other sensitive areas/concerns inspected
 - vi. Number of enforcement actions taken against CAFOs, including:
 - Number of settlements
 - For each case, any penalty amount assessed and collectedNumber of compliance assistance workshops, training sessions, and/or presentations given for AFO/CAFO operators and/or Ag organizations.
 - vii. After rule revision and issuance of the next CAFO permit, nutrient Management Plans shall be tracked in ICIS.
 - g. EPA Region 8 may conduct up to two joint/oversight CAFOs inspections during federal FY08.
 - h. EPA may perform up to five federal lead CAFO inspections during FFY 08.
10. Report to EPA in the End Of Year Report the number of the following types of inspections:
- a. Majors (Lonnie, Jeff)
 - b. Minors (Lonnie, Jeff)
 - c. Storm Water (Mike H)
 - d. CAFOs (Don)
 - e. Biosolids (Mark)

- f. SSOs (Jen)
- g. Pretreatment (Jen)
- h. Priority Areas, sensitive areas/concerns. (Don)

EPA will determine the number of inspections conducted at midyear (March 31, 2008) by DWQ in each category above by pulling this information from ICIS. Any inspections, which do not appear in ICIS by March 31, 2008, will not be counted in the midyear numbers.

11. EPA Region 8 may propose to inspect, in consultation with the State, certain coal bed methane operations in Region 8 for compliance with the Clean Water Act.

12. Submit to EPA appropriate enforcement documents at appropriate times as follows:

- a. NOV's as they are mailed to the violator (Ongoing DWQ Staff)
- b. DWQ will provide penalty calculations and all necessary background documentation to EPA for enforcement actions against major facilities and wet weather facilities (e.g. cases in priority areas; storm water, CAFOs, SSOs).. The penalty calculations and background information should be sent to EPA before the information is shared with the facility to allow EPA to evaluate the proposed penalty. EPA will provide written comments on draft settlement documents and penalty calculations within seven calendar days from the date it is received. If no comments are received within the seven day period the State will proceed to culmination of the enforcement action. (Ongoing DWQ Staff)
- c. SAs for minor permittees and unpermitted facilities are sent to EPA after they are settled (Ongoing DWQ Staff)
- d. Study and revise as required DWQ's penalty policy associated with enforcement actions. (9/30/08, Mike Herkimer and John Kennington.)

13. Mining

EPA Region 8 will review its current inventory of mining facilities in Region 8, including sand and gravel operations. Based on that review, EPA may propose to conduct joint inspections with the State providing the lead at certain mines in Utah for compliance with the Clean Water Act.

14. Federal Facility Inspections

- a. Region 8 will ask DWQ to conduct single and/or multimedia inspections at federal facility NPDES majors with recurrent effluent violations. Region 8 will conduct these inspections if DWQ does not plan to conduct the inspections. Region 8 will ask authorized states to work with EPA to target federal facilities for multimedia inspections. DWQ will be asked to lead the NPDES portion of a

multimedia inspection at the selected federal facility. If DWQ does not want to conduct the inspection, EPA will conduct the inspection in lieu of the State.

- b. During FFY08, EPA Region 8 may perform inspections at all Federal Facility construction sites that have been awarded contract dollars for site construction, in cooperation with DWQ inspectors.

15. 404 Enforcement Actions

EPA Region 8 will take the lead on 404 enforcement actions that have associated 402 violations, except where EPA determines combined cases may not be in the best interest of litigation.

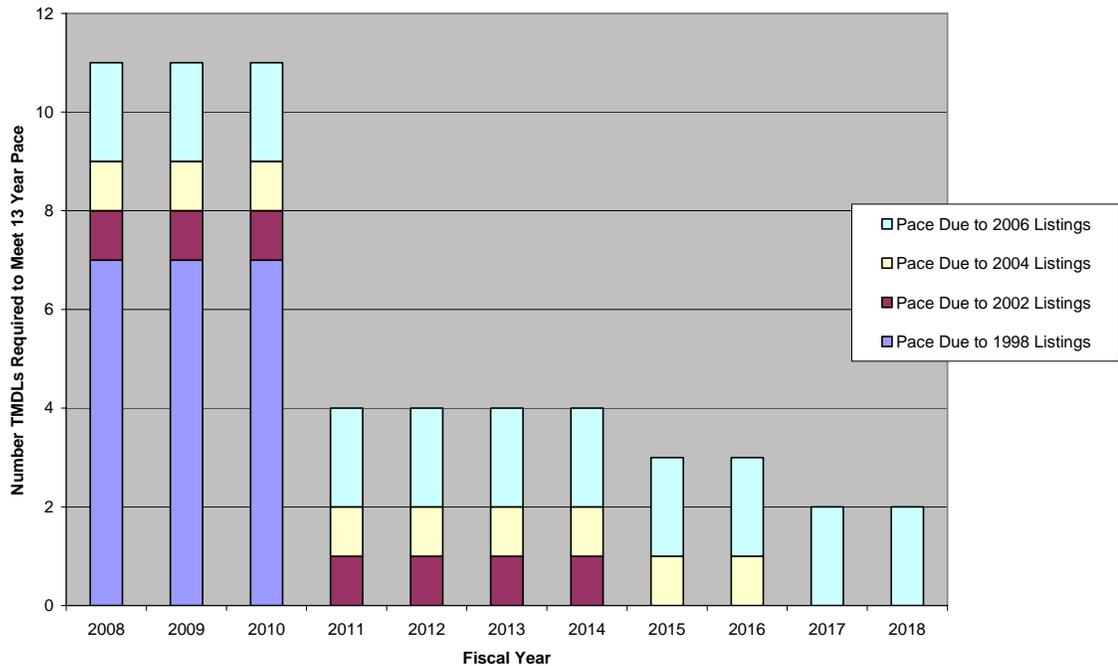
UPDES PERMITS

- 1. Implement the Phase II Stormwater Program.
 - a. Continue outreach/education activities. (Ongoing)
 - b. Encourage DWQ staff, District Engineers and municipal and county staff to assist with inspections as allowed by time and resource constraints. (Mike H Ongoing)
- 2. Implement the Utah AFO/CAFO strategy.
 - a. Implement the new EPA CAFO rules in Utah within six months of issuance of final EPA CAFO rule, (Don)
 - b. Issue new CAFO UPDES permit within six months of promulgation of State rules, (Don).

TMDL/WATERSHED

- 1. Accomplish an effective program for completion and implementation of TMDLs.
 - a. Complete and track scheduled TMDLs for listed waterbodies according to approved TMDL submission pace. (Semi-annual in May and November, Carl Adams) Any waters listed will comply with EPA guidelines to complete TMDLs within a 13 year time frame. **(WQ-8a-8b)**

Utah's Calculated TMDL Pace



- b. Incorporate by reference into Utah's water quality standards all approved TMDLs within 120 days after the notification of approval by EPA. (Ongoing Carl Adams)
 - c. Ensure established policy for determining waste loads and permits are incorporated into TMDL development. (Ongoing Carl Adams)
2. Monitor and manage implementation activities for completed TMDLs by establishing implementation milestones and tracking their completion. Tracking reports will be submitted to Division of Water Quality management annually on January 15. (Carl Adams)
 3. Assist EPA to determine the number of waterbodies on the 2002 303(d) list that are either fully restored, partially restored or have EPA approved TMDL, 4b, or 5m documents. (SP-10, SP-11, & WQ-21) by April 1, 2008.
 4. Maintain sound fiscal management of contracts by tracking contract amount, expenditures to date and availability of funds to meet contractual obligations via quarterly reports. (Ongoing Carl Adams & Stacy Carroll).
 5. Implement the watershed approach to effectively and efficiently support the development and implementation of TMDLs in Utah for impaired waters according to the approved 303(d) list. ^{WTR}

ENGINEERING

1. Maintain a successful underground wastewater disposal system program, (Ongoing, Ed Macauley.).

- a. Maintain a positive working relationship with the LHDs and meet jointly at least 10 times each year (COWP meeting). (Ongoing, Ed Macauley)
 - b. Continue to work with USU to provide an effective training, certification and continuing education program. (Ongoing, Ed Macauley)
 - c. Work with the on-site wastewater committee to revise the regulations governing the design and construction of onsite systems. (Ongoing, with the most recent revision adopted effective May 1, 2006, Ed Macauley)
2. Maintain a CWSRF cumulative fund utilization rate of over 95%. (Ongoing, Ed Macauley) **WQ-16**
3. Report of Success: All of the Engineering objectives have been met or exceeded as follows:
 - a. Met 11 times with LHDs.
 - b. Three staff attended USU training and evaluated training course.
 - c. Currently working on revising R317-4 and R317-5.
 - d. Currently, the cumulative fund utilization rate for the Utah CWSRF stands at 99%.

GROUND WATER PROTECTION

1. Maintain an acceptable Underground Injection Control Program per agreement with EPA. The Utah Department of Environmental Quality, Division of Water Quality (Utah DWQ), certifies that it maintains and implements an adequate Underground Injection Control (UIC) Program under Section 1422 of the Safe Drinking Water Act (1422 UIC Program) in conformance with federal and state laws, regulations, and conditions set forth in program authorization (delegation) documents. As long as the Utah DWQ maintains an adequate 1422 UIC Program, the Regional Administrator of the United States Environmental Protection Agency (USEPA) Region VIII and the Director of the Utah DWQ agree this Agreement shall remain in effect, except as amended through mutual agreement. Grant dollars awarded by the USEPA may be used by the Utah DWQ to perform core program activities to adequately maintain its 1422 UIC Program, even when these activities are not specifically defined by goals, measures, and/or reporting requirements. Utah DWQ agrees to conduct core program activities as described in and as evidenced by the submittal of the UIC Program reports itemized in Table I. USEPA agrees to provide the following support to the Utah 1422 UIC Program:
 - a. One annual midyear review of Utah 1422 UIC Program.
 - b. Technical training, as appropriate and as funds allow.

- c. Seventy-five percent (maximum) of funds necessary to operate the core State 1422 UIC Program, assuming a federal budget funding level near or equal to the past three years. Should funding levels drop significantly, USEPA will review core program elements and provide appropriate revisions.
2. To protect Underground Sources of Drinking Water (USDWs) from contamination by maintaining and implementing an effective core DWQ 1422 UIC Program.
- a. Evaluation of core program effectiveness, reported in the semi-annual and annual narrative program report to the Administrator. (See Table 1 for specific reporting dates Semi-Annual and Annual Narratives - Candace).
 - b. Enforce the 1999 Class V Rule regarding motor vehicle waste disposal wells (MVWDWs) and large capacity cesspools (LCCs). MVWDWs and LCCs are closed as they are identified. Priority is given to identifying these wells within groundwater-based source water protection zones as delineated by the Utah Division of Drinking Water, Source Water Protection Program. (See Semi-Annual and Annual Narratives for details. (Ongoing, Candace))
 - c. Report the percent of identified Class V MVWDWs that are closed. State Grant Template Measure. EPA Region 8 2008 goal is 88%. **(SCW-6)**
 - d. Report the percent of deep injection wells that are used to inject industrial, municipal, or hazardous waste (Class I) that maintain mechanical integrity and thereby reduce the potential to endanger underground sources of drinking water. State Grant Template Measure. EPA Region 8 2008 goal is 95% **(SCW-7)** (See Table 1 for specific reporting dates - EPA Form 7520-3 - Candace).
 - e. Report the percent of deep injection wells that are used for salt solution mining (Class III) that maintain mechanical integrity and thereby reduce the potential to endanger underground sources of drinking water. State Grant Template Measure. EPA Region 8 2008 goal is 95% **(SCW-7)**
 - f. Report the number and percent of high priority Class V wells identified in groundwater-based community water systems source water protection zones that are closed. State Grant Template Measure. EPA Region 8 2008 goal is 85%. **(SCW-8)**
 - g. Ensure Utah UIC Program monitoring activities are performed according to the EPA-approved Utah DWQ Quality Assurance Plan for the UIC Program (July 5, 1990).
3. To encourage responsible environmental behavior and promote excellence in environmental quality through environmental education, community-based partnerships and qualitative and quantitative feedback from regulated and non-regulated customers.
- a. Description of presentations to local government groups, local health departments, public works departments, private sector groups, civil groups, etc.

which include UIC concerns and opportunity for feedback. (See Table 1 for specific reporting dates - Semi-Annual and Annual Narratives - Candace).

- b. Description of all outreach activities intended to inform local government groups, local health departments, public works departments, private sector groups, civil groups, etc. about the 1999 Class V rule regarding the closure of motor vehicle waste disposal wells (MVWDWs) and large capacity cesspools (LCCs). (See Table 1 for specific reporting dates- Semi-Annual and Annual Narratives - Candace).

Table I - UIC Reporting Requirements FY 2008

<u>Due Date</u>	<u>Reporting Cycle</u>	<u>Report Required</u>
<u>January 20</u> (1 st Quarter Date)	<u>Quarterly</u>	<u>Quarterly Exceptions List (Form 7520-4)</u>
<u>April 20</u> (2 nd Quarter Date)	<u>Quarterly,</u> <u>Semi-Annual</u>	<p><u>Quarterly</u> <u>Quarterly Exceptions List (Form 7520-4)</u></p> <p><u>Semi-Annual</u> <u>Compliance Evaluation and Enforcement (Form 7520-2A)</u> <u>Significant Non-Compliance and Enforcement (Form 7520-2B)</u> <u>Inspections, and Mechanical Integrity Testing (Form 7520-3)</u> <u>Program Activity Measures (PAMs) Electronic Spreadsheet Report OR "Extra Reports"</u> <u>Class V Activities Narrative</u></p>
<u>July 20</u> (3 rd Quarter Date)	<u>Quarterly</u>	<u>Quarterly Exceptions List (Form 7520-4)</u>

<u>October 20</u> <u>(4th Quarter Date)</u>	<u>Quarterly,</u> <u>Semi-Annual,</u> <u>Annual</u>	<u>Quarterly</u> <u>Quarterly Exceptions List (Form 7520-4)</u> <u>Semi-Annual</u> <u>Compliance Evaluation and Enforcement (Form 7520-2A)</u> <u>Significant Non-Compliance and Enforcement (Form 7520-2B)</u> <u>Inspections, and Mechanical Integrity Testing (Form 7520-3)</u> <u>Program Activity Measures (PAMs) Electronic Spreadsheet Report OR "Extra Reports"</u> <u>Annual</u> <u>Permit Review and Issuance, AOR (Form 7520-1)</u> <u>Annual Program Narrative</u> <u>Class V Inventory Progress</u>
<u>December 31</u>	<u>Annual</u>	<u>Final Financial Status Report (FSR)</u>

4. Continue administration of a comprehensive ground water protection program according to priorities established in Utah Ground Water Protection Strategy and the annual FY 2008 Division of Water Quality/Goals and Objectives.

Measures:

- a. End-of-year report as required by 106 grant on achievement of FY 2008 DWQ/Ground Water Program Goals and objectives. (Rob due 9/31/08)
- b. Statewide Permitting Program administered in accordance with strategy and state rules. (Rob and Section, ongoing)
- c. Education outreach efforts conducted to encourage awareness of ground water protection issues. (Bill Damery ongoing)
- d. Continue participation in the EPA Region VIII Ground Water Protection Strategy Work Group. The intent is to help EPA develop a regional strategy for refocusing EPA and Region VIII States efforts on ground-water protection. (Bill Damery ongoing)
- e. Continued efforts to encourage local governments to institute ground water protection measures. Classifying aquifers within the State has been instrumental for local officials in implementing successful ground water protection land use ordinances. (Rob and Section ongoing)

- f. Continue to seek permanent annual funding for the implementation of a state-wide ambient ground water monitoring network for the ground water classification of aquifers. (Bill Damery ongoing)

WATER QUALITY MANAGEMENT

1. Maintain, develop and continue to implement the Nonpoint Source Program based on strong State and local institutional capabilities using the Watershed Approach in support of TMDL development. ^{WTR}

Measures:

- a. Conduct 319 funding process in an effective and efficient manner according established milestones.
- b. Update GRTS semi-annually by entering mid-year and annual report information according to July 1st and January 1st deadlines. (NPS Plan Task 33)
- c. Submission of NPS Annual Report by January 31 of each year.
- d. Complete revision of the NPS stormwater/urban run-off plan by May 1, 2008.
- e. Complete the Abandoned and Inactive Mine component to the state's NPS Management Plan and submit to EPA for review by December 1, 2007.
- f. Participate with DWR through its Blue Ribbon Fishery program in the acquisition/protection of stream corridors.
- g. Report non-319 funding in watershed protection and restoration projects in project annual and final reports. (NPS Plan Task 34)
- h. Report progress in implementing Utah AFO/CAFO Strategy through semi-annual reports to 'partners' and an annual progress summary report. (NPS Plan Task 34)
- i. Obtain final project reports from project sponsors and coordinate with EPA to obtain concurrence for grant closure in a timely manner.
- j. Implement best management practices appropriately and effectively and achieve natural resource improvements for 319 NPS Watershed Projects. Obtain available information of reductions in nonpoint source loadings for sediments, nitrogen and phosphorus, and improvements in water quality. Report load reduction and water quality information in project annual reports (GRTS), final project reports and NPS Program annual report. (NPS Plan Tasks 2, 6, 36 & 40, **WQ9**)
- k. Number of watershed-based plans and water miles or acres covered, supported under State NPS Management Programs since beginning of FY-2002 that have been developed and number of watershed-based plans are being implemented per information reported in GRTS. (**WQ-27**) ^{WTR}

- l. Number of waterbodies identified by States (in 2000 or subsequent years) as being primarily nonpoint source (NPS)-impaired that are partially or fully restored. Target for FY-2008 is 2 watersheds. **(WQ10)**
 - m. Number of developed Watershed Plans and identify those in progress. (NPS Plan Task 4) ^{WTR}
 - n. Number of basin steering and technical advisory committees formed and functioning. (NPS Plan Tasks 9 & 10)
 - o. Number of priority NPS watershed areas where EQIP funds are being used. Report allocation of EQIP funds to 303(d) waters and approved TMDL watersheds. (NPS Plan Task 34)
 - p. Number of priority watershed coordinator positions developed and functioning according to contract work plans. (NPS Plan Task 9)
2. Implement an assessment program for the waters of the State through development and submission of the Integrated Report.

Measures:

- a. Complete the Integrated Report and update the EPA Assessment Database, (ADB, version 2 or later), by April 1, 2008. **(WQ7)**
 - b. Assess and report the number and percent of lake acres and stream miles monitored which have water quality supporting designated beneficial uses. (NPS Plan Tasks 3 & 5, **SP10-13**)
 - c. Report those waters identified on 2000 303(d) list of impaired waters as a baseline or subsequent 303(d) lists as primarily nonpoint source impaired that where those waters have been restored to partial or full attainment of assessed beneficial uses **(WQ-10)**.
 - d. Report the number of impaired watersheds (at the 12 digit HUC scale), where water quality conditions improve (cumulative). The target measure estimated for 2008 is 3 and estimated target for 2012 is 15. (Note: Improved means that one or more of the impairment causes identified in 2002 are removed for at least 40 per cent of the impaired assessment units or impaired miles/acres.) **(SP-12)**
 - e. Develop a list of priority watersheds at the 12 digit HUC scale.
3. Maintain Water Quality Standards as the basis for effective water quality management and assessment programs.

Measures:

- a. Complete triennial review of water quality standards and submit to the EPA for review by June 30, 2008. **(WQ3 & WQ4)**
 - b. Form a long-term water quality standards (WQS) workgroup of stakeholders and partners for the WQS triennial process. Implement a collaborative triennial review process with this workgroup to solicit public input, further define the triennial review process, and identify issues for modification and update of Utah water quality standards by February 28, 2008.
 - c. Develop a site specific water quality standard for selenium for the Great Salt Lake by June 30, 2008.
 - d. Continue development and implementation strategy of Nutrient Criteria Development Plan. The plan currently includes streams and lakes/reservoirs. Addition of the wetlands component to this plan will be completed in August 2007. Provide annual progress report to EPA in February each year. **(WQ-2)**
 - e. Report whether the trend in wetland condition has been measured as defined through biological metrics and assessments. **(WT4)**
 - f. Report whether Utah has adopted EPA approved nutrient criteria into the water quality standards **(WQ1A)**, or is on schedule with mutually agreed-upon plan to adopt nutrient criteria into the water quality standards **(WQ1B)**.
 - g. Develop preliminary conclusions on nutrient loadings and their effect on Farmington Bay and its associated wetlands by June 30, 2008. Chair the Farmington Bay Technical Advisory Committee to identify data gaps and develop additional studies necessary to complete nutrient assessment and site-specific nutrient criteria development methods.
4. Develop and implement a long-term biological assessment program **(WQ-3)**:

Traditionally Utah's Division of Water Quality (UDWQ) has focused on assessing the chemical integrity of stream ecosystems. Biological samples were collected at a number of long-term locations, but these data were primarily used to monitor qualitative changes in the composition of macroinvertebrate assemblages at these sites. Recently the DWQ has moved toward creating tools that will allow the state to quantify the biological integrity of Utah's stream ecosystems. Supplemental FY-2005 CWA Section 106 grant dollars will be used for additional processing and monitoring expenses incurred with the expansion of the biological assessment program.

Increase the number of yearly biological sample locations to approximately 74 and use these data to support a number of water quality programs.

Measures:

- a. Develop an annual biological monitoring strategy that best balances the programmatic needs of stakeholders. Make the list of sites available for review and incorporated into the annual monitoring strategy. (May 15, 2009) **(WQ5)**

- b. Collect physical habitat, macroinvertebrate, and periphyton samples at 74 streams annually to provide the data necessary to augment assessment tools and fulfill long-term, TMDL and 303(d) assessment needs. (September-October, 2007)
- c. Digitize both field and laboratory data and store in a readily accessible database. (ongoing)
- d. Collect periphyton samples at all biological monitoring sites and preserve them such that diatoms can be enumerated and identified. (September-October, 2007)
- e. Compare assessments made with diatoms with those made with macroinvertebrates to determine stressors-specific responses of each assemblage.
- f. Develop an autecology table that links diatom taxa to characteristics that describe water quality.
- g. Develop tools that generate easily-interpretable, quantitative estimates of biological integrity from raw taxonomic lists.
- h. Compile and utilize existing biological data to create preliminary site assessments and include these assessments in the 2008 Integrated Report. (9/15/2007)
- i. Develop, calibrate, and refine macroinvertebrate multi-metric indices for the major ecoregions of the State.
- j. Evaluate all assessment tools and determine appropriate thresholds of impairment and develop a procedure for incorporating these measures into the listing process. (December 2007)
- k. Document all procedures and analyses used in tool development so that all methodology is transparent. (December 2007)

MONITORING

- 1. Establish an effective Monitoring Program. ^{RGI}
 - a. Prepare a DWQ annual monitoring plan for chemistry, bioassessment, physical habitat, fish, fish tissue and pathogens based upon needs and use of the data. Distribute copies to EPA and post on DWQ website (4/15/2008 Jeff & Tom).
 - b. Download from EPA the remaining EMAP data upon availability for use in assessments. (Ongoing Jeff)
 - c. Implement biological and ambient ground water monitoring program using incremental 106 funding. (Jeff/Bill D. Ongoing)
 - d. Continue the program for characterizing the beneficial use of the wetlands of Great Salt Lake. Biological measures include, but are not limited to vegetation, macroinvertebrates, and phytoplankton to the extent funding is available.

Coordinate with the Department of Natural Resources to develop wetland reference sites and review and modify where necessary the HGM model and other rapid assessment methods in order to develop a wetlands rapid assessment method for Utah. This effort contributes to the watershed planning in the Great Salt Lake Basin. EPA will provide technical assistance. (Theron Miller,Ongoing)

- e. Continue to implement a statewide mercury in fish tissue monitoring component as part of the long-term monitoring strategy as funding is available. (John Whitehead, Ongoing)^{MERC}
 - 1) Develop protocol for listing of impaired waters. (John Whitehead/Tom Toole, 12/31/2007)
 - 2) Continue to utilize the established workgroup to provide guidance and recommendations for the mercury monitoring program. (John Whitehead, Ongoing)
 - 3) Participate in the issuing of mercury fish consumption advisories as needed. (John Whitehead Ongoing)
 - 4) Implement a mercury monitoring program for the Great Salt Lake including water, sediment, waterfowl, and waterfowl food chain as funding is made available
- 2. Develop a plan for the development of a new data base to replace STORET in consultation with EPA and other involved states. (Arne)
- 3. Revise the Monitoring Manual so that all procedures are reflective of current SOPs and can be more easily followed as field protocols (4/1/2008 Jeff)
- 4. Fully develop and implement a monitoring program for *E. coli* to facilitate more rigorous assessment of recreational beneficial uses (6/1/2008)
- 5. Participate in monitoring for the National Lake Assessment (EMAP) program (Jeff 8/15/2007)
- 6. Implement the long-term monitoring strategy in accordance with established schedules (WQ-5).

SPECIAL STUDIES

- 1. Continue to chair the Statewide Mercury Work Group. (John Whitehead) (FS-1a)^{MERC}

II. CUSTOMER SERVICE

DWQ

- 1. Foster integrated information management.

Measures:

- a. Continue efforts to provide data required by ICIS (ongoing, Mike Herkimer and Edith Van Vleet).
- b. Continue efforts to implement a division document management system (ongoing, Kiran Bhayani).

Phase I – Hardware and preliminary setup completed to enable prototype scanning of documents.

Phase II -- Integrated filing system on hold pending installation

- c. Implement the division's portion of the IT Delivery Plan. (ongoing, Harry Judd)
- d. Investigate opportunities to more fully use video conferencing opportunities with LHDs, EPA and others (Harry Judd).
- e. Continue to utilize Groupwise for cal
- f. endaring, MOUs, division processes, emergency incidents, OOS travel, administrative rules, staff schedules, etc. (All)

2. Implement Core Programs

Measures:

- a. Develop an improved and division-wide means to obtain customer feedback. (John Whitehead)
- b. Continue to enhance the storm water inspection program. (John Whitehead and Mike Herkimer)
- c. Actively participate in the Legislative Water Task Force as instream flow, water conservation and water funding issues are studied.(ongoing, John Kennington)
- d. Develop rules for CAFO permits following EPA's promulgation of its regulations. (Don Hall)
- e. Renegotiate the Enforcement Agreement with EPA. (John Whitehead)
- f. Continue to effectively manage the level of federal carry-over funds. (Stacy Carroll)
- g. Develop a means to retain in our files CNMPs for all permits under the new EPA CAFO Rule. (Don Hall)
- h. Revise the UPDES Penalty Policy in conjunction with EPA. (Mike Herkimer)

III STATE-BASED REGULATION OF ENVIRONMENTAL PROGRAMS

DWQ

1. Complete rulemaking and policy making activities with effective stakeholder involvement

Measures:

- a. Develop rules to govern wastewater reuse. (John Kennington)
 - b. Develop administrative rules for Use Attainability Analyses. (Dave Wham)
 - c. Fully develop biological water quality indicators into the Integrated Report (Tom Toole and Jeff Ostermiller)
 - d. Complete Integrated Report (IR) and submit to EPA by April 1, 2008. Update Assessment Data Base (ADB) and submit to EPA by April 1, 2008. The IR will include chapters for the Statewide summary and each of the Watershed Management Units, GIS mapping, maps, charts and tables. (Tom Toole / Mark Stanger)
 - e. Revise UPDES rules to allow stand-alone rules for AFO/CAFOs, storm water, pretreatment, biosolids, etc. (Ongoing Mike Herkimer)
 - f. Establish a stakeholder group to make recommendations on revisions to R317-3 (In progress as of June 20 2007, with a target completion date of June 30, 2008, Ed Macauley)
 - g. Update TMDL rules by including recently completed TMDLs (Carl Adams)
 - h. Establish a stakeholder group to make recommendations on revisions to R317-4 addressing biological tools and nutrient criteria. (Bill Moellmer, Jeff Ostermiller and Theron Miller 9/1/07)
 - i. Incorporate Tax Exemption criteria into administrative rule. (Ed Macauley; this was accomplished March 9, 2007)
2. Legislative Goals

Measures:

- a. Develop legislation to initiate Operating Permits for all non-discharging wastewater treatment facilities. (John Kennington)
- b. Develop a plan to institute on-going funding for mercury and PCB investigations. (John Whitehead)^{MERC}

IV PARTNERSHIP WITH FEDERAL, STATE, LOCAL AND TRIBAL GOVERNMENTS

DWQ

1. Coordinate with GOPB to assist communities with proper planning for the impacts of growth on wastewater needs as a part of Quality Growth planning.
 - a. Review and comment upon the wastewater management section of each community's Quality Growth plan. Perform the review using the checklist developed for a model sewer management plan. (Ongoing, Ed Macauley)
 - b. Revise and update the MWPP and foster increased participation. (Ongoing Paul)
 - c. Allocate funding for good wastewater infrastructure planning. (Ongoing, Ed Macauley)
 - d. Strengthen community outreach activities. (Ongoing, Ed Macauley, Shelly Quick)

V EMPLOYEES

DWQ

1. Improve DWQ Morale

Measures:

- a. Effectively utilize the incentive award program. (DWQ Administration)
 - Establish an on-going tracking procedure
 - Receive periodic updates from HRM
 - Investigate means to reward division "teams"
- b. Utilize employee committees to investigate improvement opportunities that were identified in the employee survey and develop plans to address them. (Employee Committee)
- c. Select the "Idea-of-the-Month" from the suggestion box, implement as many as practicable and respond individually to all those that presented ideas. (Employee Committee)
- d. A personal meeting will be held with each new division employee (Walt Baker)
- e. Investigate opportunities for intra-office activities to foster camaraderie (Employee Committee)

2. Implement Personnel Measures

Measures:

- a. Develop the division's Employee Handbook. (Stacy Carroll)
- b. Provide every employee with at least one professional development training opportunity annually and track these opportunities. (Managers)
 - o Institute means whereby employees can share with other staff the significant aspects of the training that is received
 - o Investigate training that does not impinge upon the out-of-state travel budget
 - o Work with EPA to incorporate needed staff travel into applicable grants
- c. Track Professional Engineer and Professional Geologist continuing education units. (Stacy/Nicole)
- d. Continue implementing the Breakfast Club" brown bags. (Employee Committee)
- e. Encourage participation in CPM classes for interested employees. (DWQ Managers)
- f. Actively participate in DEQ training events and track the participation. (Faye Bell)
- g. Work with EDO to increase DWQ OOS travel budget. (Walt Baker)
- h. Continue to hold regular inhouse seminars of staff activities.
- i. Offer one class per year for scientific education advancement.

VI ENHANCE POLICYMAKERS' UNDERSTANDING OF ENVIRONMENTAL ISSUES

DWQ

1. Instruct and educate Water Quality Board members in their responsibilities
 - a. Conduct a WQB work meeting at every formal board meeting to educate board members of important program activities. (Walt Baker)
 - b. Communicate a summary of enforcement actions to the WQB. (Walt Baker)