

DEPARTMENT OF ENVIRONMENTAL QUALITY

DIVISION OF WATER QUALITY FY 2007 GOALS – END OF YEAR REPORT

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.

- Utah recognizes that the UPDES program is scheduled for an NPDES audit in FY07 by EPA.
- 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'2006-7 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:^{CPM, W8}
 - (a) are covered by a current UPDES permit (9/1/07 Edith)

STATUS: *29 Individual Municipal – Majors*
33 Individual Municipal – Minors
7 Individual Industrial – Majors
46 Individual Industrial – Minors
30 Individual Biosolids
13 General Permit, Coal Mining
25 General Permit, Construction Dewatering
12 General Permit, Aquaculture (Fish Hatcheries)
51 General Permit, Concentrated Animal Feeding Operations (CAFO's)
4 General Permit, Ground Water Contamination with Petroleum
Products
38 General Permit, Drinking Water Treatment Plants
3368 General Permit, Storm Water Construction
813 General Permit, Storm Water Multi Sector
73 General Permit, Phase II Municipal
3 Individual Storm Water, MS4 Permits.
80 Individual Industrial Storm Water (within individual permits)
1 Salt lake City Individual Storm Water Permit
4546 Total Current Permits

(b) have expired individual permits (3/31/07)

STATUS: *Logan*

(c) have applied for, but have not yet been issued an individual permit 3/31/07 & 9/30/07 Mike Herkimer or John Kennington)

STATUS: *Desert Power*

(d) have individual permits under administrative or judicial appeal (3/31/07 & 9/30/07 Mike Herkimer or John Kennington)

STATUS: *Kennecott*

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 expired 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%. (8/1/07 Mike Herkimer or John Kennington)

STATUS: *Not Applicable in Utah.*

3. Number of watersheds in which a watershed permit(s) has been issued. (8/1/07 Mike Herkimer or John Kennington) ^{WTR}

STATUS: *We do not issue a watershed permit anywhere in Utah.*

4. 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.^{CPM W9} (3/31/07 & 9/30/07 Tom R. and Mike G.)
 - a. Number that are covered by each current storm water general permit (e.g., industrial, construction, MS4) (3/31/07 & 9/30/07 Tom R. and Mike G.)

STATUS:

Currently Active General Permit Coverages	
813	UTR000000 Multi Sector General Permit
3368	UTR100000 General Construction Permit
73	UTR090000 Phase II MS4's

- b. Number that are covered by current individual storm water permits (e.g., Phase I MS4s) (3/31/07 & 9/30/07) Tom R. and Mike G.)

STATUS:

1	UTS000001 SL County Co-Permit
1	UTS000002 SL City Municipal SW
1	UTS000003 UDOT Municipal SW
1	UT0024988 SLC International Airport
13	UT0400000 Coal Mine General Permit
67 Other Individual Permits With SW Provisions	

- c. Number of expired general or individual storm water permits (12/30/05 & 6/30/06 Tom R.)

STATUS: *The General Permit for Discharge from Small Municipal Separate Storm Sewer Systems expired December 8, 2007 and has been extended until EPA has completed a national version of this permit so we can determine the changes that EPA requires. The Construction Storm Water Permit expired on September 30, 2007 and was extended after a thirty day public notice period based on substantive comments received and the need to make changes in some permit requirements not identified until after the initial public notice period.*

5. Manage the application of the Storm Water Phase II Regulations. (Ongoing Tom R. and or Mike G.)

STATUS: *In addition to what was completed in last years EOY report, the storm water staff has completed a number of training activities for construction, industrial and MS4 phase I and phase II facilities. A new on-line web site has been*

developed for the permitting of industrial storm water facilities. Two phase I facilities were audited (Salt Lake County and Utah Department of Transportation) and reports are in the process of being drafted.

6. Involve regulatory agencies and the public as necessary to effectively permit storm water discharges. (Ongoing Tom R. and or Mike G).
 - a. The State program is accessible by the public and regulated entities (i.e., contact information and web sites, etc.).

STATUS: *The State continues to maintain a storm water program webpage which includes guidance documents, contact information, copies of permits and forms and links to additional storm water guidance.*

- b. Include EPA in the review process prior to issuing general and individual permits for storm water discharges.

STATUS: *EPA is provided with copies of draft permits and guidance prior to public notice.*

- c. Track storm water general permit coverage and provide data to EPA on regulated agencies consistent with National efforts for data management (PCS/ICIS).

STATUS: *There is an ongoing effort to update ICIS when any Storm Water Industrial Permit is renewed or inspected as required by the wet weather policy. Whenever inspection or compliance activities are conducted the facility and permit information is entered into ICIS in order to track the compliance inspections along with any single event violation link to the compliance inspection. State storm- water databases are updated for both Industrial Multi-Sector and Construction Storm Water.*

7. Identify in ICIS the following Pretreatment Program statistics:

- a. The number of significant industrial users (SIUs) in POTWs with approved Pretreatment Programs,

STATUS: *Currently there are 196 SIUs in areas with approved Pretreatment Programs.*

- b. The number of significant industrial users (SIUs) in POTWs with approved Pretreatment Programs that have adequate control mechanisms implementing applicable pretreatment standards and requirements. (95% coverage is the Regional commitment)

STATUS: *All SIUs are permitted in areas with approved Pretreatment Programs.*

- c. The number of categorical industrial users (CIUs) in non-pretreatment programs

STATUS: *There are three CIUs in non-pretreatment areas.*

- d. The number of categorical industrial users (CIUs) that have adequate control mechanisms implementing applicable pretreatment standards and requirements (9/30/07 Jen) ^{W9}

STATUS: *Of the three CIUs in non-pretreatment program areas, one is permitted by DWQ, one by the POTW, and the other is a non-discharging CIU.*

8. Perform inspections on 80% of all approved pretreatment programs, of which 20% will be audits annually. (Ongoing Jen)

STATUS: *DWQ conducted audits at 19 of the 21 approved Pretreatment programs.*

9. Maintain the Utah AFO/CAFO Strategy . Specific commitments include:

- a. Develop a new General Permit based on revised CAFO Rules. (ongoing, Don)

STATUS: *DWQ is waiting for EPA to issue the revised CAFO Rule prior to preparing a permit.*

- b. For all permitted CAFOs if available, enter permit facility data, permit event data, and inspection data into ICIS. (Ongoing, Don)

STATUS: *This information has been supplied to Edith for entering into ICIS. There are some inspections that have recently been completed that have not yet been entered into ICIS.*

- c. Inform EPA of annual feeding operations that are impacting water quality (ongoing, Don)

STATUS: *Region 8 has been informed of all known discharging AFOs and PCAFOs by DWQ.*

- d. Conduct meetings of the AFO/CAFO committee and maintain critical partnerships with NRCS, UACD, the Farm Bureau and the agricultural community. (Ongoing, Don)

STATUS: *DWQ continues to participate in AFO/CAFO Committee meetings and works with the partners to implement the Utah Strategy.*

10. Upon promulgation of the Pretreatment Streamlining regulations (anticipated in summer of 2005), examine the need to update State rules and procedures as appropriate to allow for implementation. (12/30/06 Jen)

STATUS: *The rule went to the Water Quality Board, who approved the rule to go to public notice. During the audit conducted by EPA Region 8 recommendations were made which DWQ will be making. Those changes will require that the rules go back to the WQ Board for approval.*

11. Implement the Sewage Sludge (Biosolids) regulations
 - a. % and # of UPDES permits that contain biosolids language. (3/31/07 & 9/30/07 Mark)

STATUS: *Greater than 50% of the combined permits, that is, 15 permits for major facilities*
 - b. Maintain data in the ICIS database.

STATUS: *Ongoing Mark Schmitz*
 - 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)

STATUS: *The biosolids rules are presently up to date.*

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 kept current. (Ongoing Mike Herkimer, Edith)

STATUS: *This is routinely done.*
 - b. Data is entered accurately - the ICIS Data Entry Percentage Rate is at 95% or higher and includes permitting, compliance, and enforcement data. This can be measured by USEPA, as needed, for quality assurance purposes. UTDEQ addresses this in its Self Assessment. (Ongoing Mike Herkimer, Edith)

STATUS: *PCS data entry rate is regularly at 97% or higher and includes permitting, compliance, and enforcement data required by the PCS Policy Statement. Utah routinely performs its own self-assessments for quality assurance.*
 - c. When Utah has an NPDES facility listed on the Watch List, DWQ agrees to provide quarterly updates to EPA using the Watch List electronic code sheet. (Mike Herkimer/Edith, Ongoing)

STATUS: *This is being completed on an ongoing basis.*
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)

STATUS: *Non-major facility data is entered into ICIS. Utah handles the non-major*

facilities in the same manner as major facilities. The QNCR is used to determine non-compliance with permit limits and schedules. Data entered is quality checked for accuracy.

3. Coordinate inspection activities among programs and between the State and USEPA. Incorporate targeted USEPA national and regional priority sectors, as agreed upon between UTDEQ and USEPA. Include those sectors, as agreed upon, when planning IU inspections by UTDEQ 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 Fy08 by August 1, 2007, and final inspection plan within 30 days of receiving EPA's formal comments on the draft plan (Lonnie)

STATUS: *The draft inspection plan was not submitted by August 1, 2007. A draft plan was submitted to EPA after the deadline.*

- b. Track inspections in ICS. (Ongoing Lonnie, Jeff)

STATUS: *We routinely record all inspections in ICIS – major and minor.*

- c. DWQ will conduct the following number of inspections during FY07
Majors----26
Minors----42
Pretreatment (Audits and PCIs)----15

STATUS: *We exceeded our inspection requirements:
Majors – 36
Minors - 65
Pretreatment – 19*

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)
CPME1

STATUS: *The SSOs that were reported as going to waters of the State were investigated as needed. One enforcement action is currently being completed with Bear Lake SSD.*

- b. Continue to inventory (ask questions of) permittees for SSO occurrences and resolutions through the Municipal Wastewater Planning Program (MWPP) questionnaire.

STATUS: *This information was compiled and was sent via e-mail to Amy Clark, EPA Region 8 via e-mail on November 5, 2007.*

c. Submit to EPA Region 8 a report by October 15, 2007 that will include: (report provided to Amy Clark, EPA Region 8 via e-mail on 11-5-07)

i Number of UPDES inspections at major facilities where SSO information was received. 9/30/07 (Jen)

STATUS: *At 19 of the 27 major municipal facility inspections' SSO information was collected.*

ii An updated SSO inventory from MWPP surveys. (9/30/07Jen)

STATUS: *This information was compiled from the MWPP and sent to Amy Clark.*

iii The number of SSOs reported and their cause from the MWPP inventory. (Jen)

STATUS: *This information was compiled from the MWPP and was sent to Amy Clark.*

iv The number and percent of SSO inspections in priority watersheds (as defined by the State) including the name of the priority watershed.

STATUS: *The state evaluating which watersheds are of a priority status in regards to SSO issues. An SSO occurred at Garden City, which is in the Bear Lake watershed, and has an approved TMDL.*

v The number and type of informal and formal enforcement actions taken in response to SSOs;

STATUS: *One formal enforcement action was taken against the Bear Lake SSD in response to a SSO in Garden City.*

vi. The percent of enforcement actions in priority watersheds (as defined by the State) for SSO; and

STATUS: *The state has not finalized its priority watersheds in regards to SSOs, but the Bear Lake SSD enforcement action was for an SSO in the Bear Lake watershed which has an approved TMDL.*

vii A list of SSOs addressed including a description of how 20% of the systems in the SSO inventory were addressed.

STATUS: *For year 2007, one SSO was inspected. DWQ is in the process of issuing a settlement agreement for the NOV issued for this SSO.*

d. The State will take enforcement action as per Utah's EMS whenever deemed necessary to protect waters of the state. (Ongoing Jen) ^{CPME6}

STATUS: *The state has taken one enforcement action this past inspection year.*

- 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, 2006, (Jen).

STATUS: *DWQ is in the process of evaluating priority watershed in regards to SSO issues. Efforts to coordinate and clarify with EPA Region 8 on SSO issues will be undertaken in January 2008.*

5. Storm Water

- a. Division personnel will conduct at least 228 inspections of permitted and unpermitted facilities including the construction and industrial sectors A, B, C, D, F, H, M, T & W. The 228 inspection will be composed of Construction-186, Industrial MSGP-40, Municipal-2. All inspections are entered into ICIS. (Ongoing Tom, Mike & Rand.)^{CPM E5}

STATUS: *DWQ staff conducted 245 storm water inspections for the reporting period. There were 193 inspections in the construction area, 44 in the industrial MSGP area and 8 in the municipal area. All inspections were entered into ICIS.*

- b. 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 will increase the number of overall storm water inspections performed in the state. (Ongoing Tom Mike & Rand.)

STATUS: *DWQ, through the stormwater advisory committee (SWAC), has taken an active role to promote training the permitted MS4's to conduct construction site inspections. Classes in inspection protocol, document review, and installation of appropriate BMPs will be arranged for municipalities throughout the State that have phase II permits. The training will occur at Utah State University in Logan. The objective is to train the municipalities to conduct the inspections in a uniform fashion statewide with the same protocol used by the State. Presently, the State is using inspections completed by some municipalities to meet construction inspection requirements. State personnel have made presentations at the American Public Works Association Utah meeting and the Utah County Coalition.*

- c. Provide EPA with a copy of Utah's current storm water permit tracking system semi-annually (10/31/06,4/30/07), either electronically or on CD-rom. (Tom R.)

STATUS: *DWQ has transmitted storm water data base (construction, industrial and municipal) once.*

- d. DEQ will update the State Enforcement Response Guide (EG) to include storm water within six months of EPA,s final storm water ERG.

STATUS: *This will be done when EPA finalizes its ERG.*

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)

STATUS: *We have received some general comments from EPA, but still waiting on Enforcement related comments. Coordinating with R8 to finalize draft WET policy.*

- 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) ^{W8, E6}

STATUS: *See previous response.*

- c. Utah will submit as part of their annual report, a list of the facilities which have entered into a TIE/TRE during FY07 and a list of any formal enforcement actions which included WET violations, (Jeff).

STATUS: *One facility submitted TIE/TRE (Western Energy Operating UT0000124). No enforcement actions included WET violations.*

7. Biosolids-Promote the beneficial use of biosolids

- a. Continue to conduct Biosolids inspections. The goal will be to conduct inspections on 50 % of Utah's biosolids-only permittees annually. In the End-of-Year Report, include the number of Biosolids inspections actually conducted. (Ongoing Mark)

STATUS: *Fifteen biosolids inspections were done this year, 50% of the facilities were inspected.*

- b. Reissue all biosolids permits which will expire in FY2007 and transition into consolidated permits as needed. (Ongoing Mark)

STATUS: *This was accomplished.*

- c. Submit an End-of-Year report to EPA (11/30/2007, Mark S.)

STATUS: *The end of year report will be submitted by April 1, 2008, as arranged with the Region 8 Biosolids Coordinator.*

8. Enforcement Agreement.

- a. Revise the State/EPA Enforcement Agreement as appropriate and warranted. (6/1/07, Mike Herkimer.)

STATUS: *The State is not desirous to revise or redo the State/EPA Enforcement Agreement. It appears that the PPA and the Enforcement Management System accomplish the same purpose. It appears that the State/EPA Agreement may be redundant.*

- 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.

STATUS: *DWQ would welcome these calls; please coordinate through John Whitehead.*

- c. DWQ will add language to its standard Administrative Order template requiring that any schedule which is developed by a facility or DWQ as part of an Order be incorporated as an enforceable portion of the Order. (Mike Herkimer).

STATUS: *This language has been added to DWQ's boilerplate NOV/CO and is presently under review by the AG's Office.*

- d. DWQ agrees to evaluate all violations and determine an appropriate response per its EMS and take that action.

STATUS: *Ongoing*

- e. DWQ will take timely and appropriate enforcement against facilities in SNC.

STATUS: *Ongoing*

- f. DWQ understands that EPA Region 8 will continue to participate in and to initiate regional and national enforcement cases.

STATUS: *Ongoing*

- g. Region 8 agrees to coordinate with states and will conduct inspections and investigations for regional and national enforcement cases.

- h. Until State resources become available, EPA will review the DMR-QA results and follow up with facilities.

STATUS: Utah DWQ will be copied on any follow-up. .

9. Concentrated Animal Feeding Operations (CAFOs) (Ongoing Don)

- a. Continue to implement "Utah's Strategy To Address Pollution From Animal Feeding Operations"

STATUS: *DWQ works with the partners to implement the strategy.*

- b. Maintain an inventory of all permitted CAFOs during FY2007

STATUS: *DWQ maintains a list of permitted CAFOs.*

- c. Inspect at least 40% of the CAFOs during FY2007 including those also covered by groundwater permits

STATUS: *20 CAFO inspections were conducted during FY2007.*

- d. Coordinate with the Region to ensure Regional accessibility to CAFO information, including permit, inspection, and enforcement data

STATUS: *CAFO information is submitted to Edith for data entry into ICIS. All inspection reports and enforcement actions are sent to EPA.*

- d. Include in the End-of-Year report for FY2007 (Don):
 - i. Total known number of CAFOs in Utah and of these, the number of permitted CAFOs

STATUS: *51 CAFOs, 50 permitted CAFOs.*

- ii. Total known number of CAFOs in priority areas and of these, the number permitted

STATUS: *17 in priority areas, 17 are permitted.*

- iii. Names and HUC codes for priority watersheds in the state

STATUS: *DWQ is currently evaluating priority watersheds in regards to CAFOs.*

- iv. Numbers and percent of total known CAFOs in Utah inspected

STATUS: *51 CAFOs, 39% inspected (20).*

- v. Numbers and percent of total known CAFOs in priority areas inspected

STATUS: *6 inspected, 35% inspected.*

- vi. Number of enforcement actions taken against CAFOs, including:
 - Number of settlements

STATUS: *1 settlement agreement for Ritewood Egg.*

For each case, any penalty amount assessed and collected

STATUS: *\$105,000 penalty was assessed, \$70,000 has been paid. 35,000 is due July 1, 2008.*

STATUS: *Number of compliance assistance workshops, training sessions, and/or presentations given for AFO/CAFO operators and/or Ag organizations. Status: 0. Workshops and presentations will be given after EPA rule changes and DWQ prepares a new CAFO permit.*

- e. Nutrient Management Plans shall also be tracked in ICIS as a compliance schedule item to say PCS policy.

STATUS: *facilities with inadequate CNMPs are reported on 3560 forms. DWQ will submit copies of all routine CAFO inspection reports and all CAFO enforcement actions to the NPDES Enforcement Unit. Status: DWQ provides copies of all CAFO inspection reports and all AFO/CAFO enforcement actions.*

- f. Region 8 will conduct up to two CAFO joint/oversight inspections in Utah

STATUS: *DWQ and EPA conducted 2 joint inspections on 7/27/07.*

10. Report to EPA in the End Of Year Report the number of the following types of inspections:

- a. Majors (Lonnie, Jeff)

STATUS: *36 of the 36 Major facilities*

- b. Minors (Lonnie, Jeff)

STATUS: *65*

- c. Storm Water (Tom)

- d. CAFOs (Don)

STATUS: *20 CAFO inspections were completed during the federal fiscal year.*

- e. Biosolids (Mark)

STATUS: *Fifteen Biosolids inspections were conducted during FY 2007.*

- f. SSOs (Jen)

STATUS: *One inspection was conducted during FY 2007.*

- g. Pretreatment (Jen)

STATUS: *19 pretreatment audits were conducted of the 21 approved Pretreatment programs in FY 2007.*

- h. Priority Areas (Don)

STATUS: *There were six known CAFOs inspected in priority areas EPA will determine the number of inspections conducted at midyear (March 31, 2007) by DWQ in each category above by pulling this information from ICIS. Any inspections, which do not appear in ICIS by March 31, 2007, 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: ^{CPM}
E6

- 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 for cases in priority areas (storm water, CAFOs, SSOs) 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. (Ongoing DWQ Staff)
- c. SAs for minor permittees and unpermitted facilities after they are settled (Ongoing DWQ Staff)
- d. Study and revise as required DWQ's penalty policy associated with enforcement actions. (12/31/06, Mike Herkimer.)

STATUS: *DWQ is in the process of reviewing and deciding on what changes (if, any) to make to the current penalty policy. Progress on this task has been hindered by resource demands in other parts of the UPDES program.*

13. Mining

STATUS: *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 Region 8 for compliance with the Clean Water Act.*

14. Federal Facility Inspections

STATUS: *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.

UPDES PERMITS

1. Implement the Phase II Stormwater Program.
 - a. Continue outreach/education activities. (Ongoing)
 - b. Engage DWQ staff, District Engineers and municipal and county staff to assist with inspections. (Tom Rushing, Ongoing)

STATUS: *The DWQ is continuing its outreach and education activities. Staff has participated in a number of training activities with cities, counties, and private companies. One of our goals is to fully implement as soon as possible the phase II requirements for construction inspections and to eventually include industrial inspections at the municipal and county levels. This is already being done to a limited extent at the local level.*

2. Implement the Utah AFO/CAFO strategy.
 - a. Implement the new EPA CSFO rules in Utah within six months of issuance of final EPA CAFO rule, (Don)

STATUS: *DWQ is waiting for the CAFO Rule to be issued.*

- b. Issue new CAFO UPDES permit within six months of promulgation of State rules, (Don).

STATUS: *DWQ is waiting for the CAFO Rule to be issued.*

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 schedule. (Semi-annual in May and November, Carl Adams) The current submission schedule is shown below. Any waters listed will comply with EPA guidelines to complete TMDLs within a 12 year window. Currently all listed waters since 1998 are scheduled for completion by 2012 inclusive of those listed in 2004. **(WQ-13b)**

Year	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Annual% Goal	4%	4%	4%	4%	12%	12%	12%	12%	9%	9%	9%	9%
Cumulative% Goal	4%	8%	12%	16%	28%	40%	52%	64%	73%	82%	91%	100%
% TMDLs Completed		18%		36%		65%		82%				

- 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)

STATUS: *All approved TMDLs have been incorporated into Utah’s water quality standards.*

- c. Utilize existing in-house procedure to insure appropriate waste load and permitting assumptions and policies are incorporated into TMDL development for determination of facility WLAs. (Ongoing Carl Adams)

STATUS: *WLA policies have been followed to ensure proper and defensible determination of facility WLAs including the revision of Wellsville’s WLA in the Little Bear River TMDL to rectify an improper allocation to animal waste facilities and an unrealistic reduction in Wellsville’s effluent loading.*

- d. Watershed coordinators will monitor and manage implementation activities for completed TMDLs by establishing implementation milestones, identifying milestone leaders and tracking their completion. Tracking reports will be submitted to Division of Water Quality management annually on January 15. (Carl Adams) ^{WTR}

STATUS: *TMDL implementation tracking is ongoing, the requirement for updating the tracking reports has been emphasized in watershed coordinator’s performance plans.*

- e. Maintain sound fiscal management of contracts by tracking contract amount, expenditures to date and availability of funds to meet obligations via quarterly reports. (Ongoing Carl Adams & Stacy Carroll)

STATUS: *Contract tracking is ongoing, an enhanced contract tracking tool and database has been developed in-house to assist in tracking invoices, payments and remaining contract balances.*

- f. Maintain, track and report on the status of TMDL progress in support of Utah’s Long-Term TMDL Submission Schedule. (November and May of each year Carl Adams)

STATUS: *Completed, several presentations were given to various groups on the status of the Long Term TMDL Schedule including the Water Quality Board, Utah Watershed Coordinating Council the River Basin Coordinating Committee and the NPS Taskforce.*

- g. Develop analytical components of the Utah Data Assessment and Integration Tool for acquisition of water quality data by DWQ staff, other governmental agencies and the general public. (Carl Adams & Jim Harris 6/1/07)

STATUS: *Complete. There are a couple minor issues awaiting resolution with State IT/AGRC but the application is functioning and posted on web site.*

2. Enhance the coordination with stake holder groups regarding the TMDLs for Utah Lake and Jordan River. (Carl Adams, Jim Harris and Dave Wham)

STATUS: *Several stakeholder meetings were held and are ongoing with major water providers, point source facilities, federal, state and municipal agency representatives and environmental advocacy groups to communicate the status of the Utah Lake and Jordan River TMDL studies and to receive comment on interim findings such as the beneficial use assessments and data summaries.*

3. Monitor implementation activities in watersheds according to milestone dates for activities. (Carl Adams)

STATUS: *Implementation activities are monitored through an implementation tracking spreadsheet maintained by watershed coordinators.*

4. Maintain quarterly reporting on TMDL activities. (ongoing, Carl Adams)

STATUS: *TMDL activities are regularly reported on a more frequent than quarterly basis to internal management and external partners due to the importance of obtaining support for the completion and implementation of these studies from other Sections and conservation partners.*

5. Effectively manage TMDL contracts, expenditures and ongoing obligations to assure the sufficiency of funds to complete work activities. (ongoing, Carl Adams and Stacy Carroll)

STATUS: *Budget tables are regularly updated by Carl with expenditures for contracts, special studies and other incidental expenses associated with completing TMDL studies in a timely manner. Regular coordination between Carl and Stacy occurs to confirm remaining budget amounts to ensure sufficient funds are available to complete future work.*

ENGINEERING

1. Maintain a successful underground wastewater disposal system program, (Mike H.).
 - a. Maintain a positive working relationship with the LHDs. (Ongoing)
 - 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 October 23, 2007, Ed Macauley)

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.. The annual mid-year program review was conducted on May 23, 2007 via phone conference. Douglas Minter, Utah's 1422 UIC Program EPA Region 8 Oversight Manager, Rob Herbert, and Candace Cady participated in the phone conference.
- b. Technical training, as appropriate and as funds allow.

UIC staff have spent considerable time becoming familiar with the desktop GIS platform software (ArcInfo, ArcEditor, and ArcView) of the ArcGIS framework, with which we will implement the new geodatabase and other geospatial data integration activities associated with the effective management of the program. The time spent in learning to use ArcGIS is considered highly justified as the tools developed under the Environmental Information Exchange Network (EIEN) grant project will be accessed with this software.

UIC staff attended a two-day training in Salt Lake City, Utah March 28–29 entitled *Contaminant Chemistry and Transport in Soil and Groundwater - An Overview of Petroleum, Chlorinated Hydrocarbon, and Metal Behavior in the Environment* presented by The Northwest Environmental Training Center. Knowledge and techniques learned in this course will be used to develop risk assessment tools for the 1422 UIC Program. UIC support staff attended a three-day training course in Park City, Utah October 1-3 entitled *An Introduction to Ground Water* presented by the National Ground Water Association on the concepts, theories, and procedures used in ground water problems with primary focus on field problems with numerous case studies and example problems.

- 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) Semi-Annual Narrative Report submitted on April 20, 2007.. Annual Narrative Report submitted October 17, 2007.
 - b. Enforce the new Class V Rule regarding motor vehicle waste disposal (MVWD) wells and large capacity cesspools. MVWD wells are closed or permitted as they are identified. (See Semi-Annual and Annual Narratives for details. (Ongoing, Candace)) With the completion of the new Utah 1422 UIC Geodatabase, completion of the digitization of the remaining source water protection zones, and the acquisition of 3 state facility databases, UIC staff have begun a new initiative to identify facilities within groundwater-based source water protection zones, especially those for community water systems. The 3 state databases include North American Industry Classification System codes that we use to focus our efforts on industries identified as having a greater potential for having a MVWDW based on significant business activities including maintaining a motor vehicle fleet or conducting motor vehicle maintenance.
 - c. Report the number of underground injection wells tested for mechanical integrity to assure that the injection fluid stays within the well and within the injection zone, and the number that passed. (See Table 1 for specific reporting dates - EPA Form 7520-3 - Candace).
 - d. Report the number of Class IV/V injection wells (by well type) closed voluntarily and involuntarily (See Table 1 for specific reporting dates – PAMs Electronic Spreadsheet Report). Provide narrative of other actions taken to identify Class V wells and to address potential endangerment from Class V wells. (See Table 1 for specific reporting dates - narrative Semi-Annual and Annual Narratives - Candace). Candace is preparing a memorandum addressing high priority Class V injection wells that includes a risk and vulnerability decision matrix for industrial Class V wells modeled after a similar matrix developed by the Ground Water Protection Program for agricultural wastewater lagoons. This decision matrix is being developed as a cooperative effort between the Utah Ground Water Protection Program, the Utah 1422 UIC Program and the engineering staff administering the Onsite Wastewater and Large Underground Wastewater Disposal Systems rules to ensure a unified approach in protecting ground water resources. Utah does not categorically include all industrial Class V injection wells into the “high priority” category that includes MVWDWs and Large Capacity Cesspools.
3. To reduce violations of state Ground Water Quality Standards and National and State Drinking Water Standards through permitting, pollution prevention, compliance, and enforcement measures.

- a. Number of discharges by industrial Class V and other potentially endangering wells controlled by closure or permit. (See Table 1 for specific reporting dates- PAMs Electronic Spreadsheet Report - Candace).
 - b. Utah UIC Program monitoring activities done according to the EPA-approved Utah DWQ Quality Assurance Plan for the UIC Program (July 5, 1990).
4. 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). Candace met with the DEQ District Engineer for the TriCounty (Duchesne, Daggett, and Uintah Counties) District, local health department staff, and building officials in Vernal to discuss the 1999 ban on new constructions of Motor Vehicle Waste Disposal Wells (MVWDWs). Distributed Reminder Notice (see below) and EPA Region 9 MVWDWs Self Audit Checklist. Request was made to develop Utah MVWDWs Self Audit Checklist specific to Utah.
 - 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 new Class V rule regarding the closure of motor vehicle waste disposal wells (MVWDs) and large capacity cesspools (LCCs). (See Table 1 for specific reporting dates- Semi-Annual and Annual Narratives - Candace). Candace prepared a Reminder Notice regarding the 1999 ban on new constructions of MVWDWs. This Notice was distributed to the Utah Chapter of the American Institute of Architects, the Utah Chapter of the American Council of Engineering Companies, the Utah Chapter of the International Code Council (an association of building officials), local environmental health directors and our DEQ District Engineers. We have requested that the Notice be distributed to all members of these associations.

Table I - UIC Reporting Requirements FY 2007

<u>Due Date</u>	<u>Reporting Cycle</u>	<u>Report Required</u>
<u>January 20</u> (<u>1st Quarter Date</u>)	<u>Quarterly</u>	<u>Quarterly Exceptions List (Form 7520-4)</u>
<u>April 20</u> (<u>2nd Quarter Date</u>)	<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> (<u>3rd Quarter Date</u>)	<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>	<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></p> <p><u>Annual</u> <u>Permit Review and Issuance, AOR (Form 7520-1)</u> <u>Annual Program Narrative</u> <u>Class V Inventory Progress</u></p>
<u>December 31</u>	<u>Annual</u>	<u>Final Financial Status Report (FSR)</u>

5. Continue administration of a comprehensive ground water protection program according to priorities established in Utah Ground Water Protection Strategy and the annual FY 2007 Division of Water Quality/Goals and Objectives.

Measures:

- a. End-of-year report as required by 106 grant on achievement of FY 2006 DWQ/Ground Water Program Goals and objectives. (Rob due 9/31/07) Completed
- b. Statewide Permitting Program administered in accordance with strategy and state rules. (Rob and Section, ongoing) Section continues to administer 35 active permits with six renewals and pending issuance of two new ground water discharge permits (Barex Dairy and Peck Dairy).
- c. Education efforts conducted to encourage awareness of ground water protection issues. (Bill Damery ongoing) Bill Damery continues to conduct ground water protection education and outreach efforts at all levels including elementary school demonstrations, University graduate school presentations, annual water conference display booths, annual League of Cities and Towns conference, and meetings with county planning and zoning committees.
- 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) Bill Damery participated in the work group held during the week of October 22nd at the All-States Source Water Protection, UIC, and Ground Water Protection Task Force meeting in Seattle, WA.
- 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) Completed Morgan Valley aquifer classification and Castle Valley reclassification. Aquifer classifications planned for Salt Lake Valley and possibly Beaver Valley.
- 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) Bill Damery working with USGS to set up rotation of statewide 300-well monitoring program utilizing 106 funding.

WATER QUALITY MANAGEMENT

1. Maintain strong State and local institutional capabilities to implement Watershed Approach for TMDL development and implementation of the Nonpoint Source Program:^{WTR}
 - ◆ Continue active support of Partners for Conservation and Development (UPC&D)

- ◆ Utilize and enhance State GIS capabilities for watershed planning and implementation.
- ◆ Submit 319 mid-year and annual reports and maintain Nonpoint Source Grants Reporting and Tracking System (GRTS).
- ◆ Continue implementation of upgraded NPS Pollution Management Program Plan. Develop components related to stormwater/urban runoff. Develop a schedule and begin revision/update of the NPS Pollution Management Plan by 2007.
- ◆ Develop and pursue approval for stormwater/urban run-off component of the Management Plan.
- ◆ Develop and enhance cooperative relations with the Utah Division of Wildlife Resources (DWR) to protect and expand Blue Ribbon Fishery waters.

Measures:

- a. Continued development and revision of base data layers for watershed management unit status reports and TMDL plans including maps of 303(d) waters and other environmental features. (NPS Plan Task 26) ^{CPM W13}

STATUS: *Provided spatial analysis and map production for integrated 303d/305b Report to Congress, including maps of 303d waters, preliminary and final result maps of biological and water quality assessments, sample site location and assessment unit relationships, and provided spatial analysis to define and map new site specific water quality standards, produced regional maps of proposed monitoring sites, mapped mercury in fish tissue sample sites and associated health advisories, and completed mapping requests of DWQ personnel from each DWQ administrative section as needed.*

- b. GRTS is updated semi-annually and reports are submitted according to July 1st and January 1st deadlines. (NPS Plan Task 33)

STATUS: *For DWQ contracts, midyear and annual progress reports were received, reviewed and sent to UDAF for entry into GRTS. Only three projects have not yet submitted annual reports as of Nov 23, 07.*

- c. Complete revision of stormwater/urban run-off plan by April 2007.

STATUS: *The draft plan is pending review by DWQ staff. Resources permitting, the plan may be completed by end of FY2008.*

- d. Submission of NPS Annual Report. (1/31/07)

STATUS: *Completed and sent to EPA on April 2, 2007.*

- e. Participate with DWR through its Blue Ribbon Fishery program in the acquisition/protection of stream corridor

STATUS: *Two contracts were executed with the Division of Wildlife Resources totaling about \$948,000 of 319 revenues for the purpose of establishing easements and enhancing stream riparian corridors. Progress has been slow in executing agreements with landowners but efforts are proceeding.*

2. Ensure that federal land management is consistent with State Nonpoint Source Pollution Management Plan and watershed needs and concerns:

- ◆ Conduct annual program/project/monitoring review meeting.
- ◆ Conduct field audits on selected projects and review federal actions.
- ◆ Implement cooperative monitoring programs and work jointly for consistent procedures and protocols.
- ◆ Evaluate need and establish schedule as resources permit to revise MOUs with Forest Service and BLM.
- ◆ Works closely with federal land management agencies to identify the 303(d) listed waters on federal lands and work jointly to develop and implement TMDL per agreement between FS and EPA.

Measures:

- a. % of stream miles and lake acres monitored which meet designated uses for aquatic life and recreation on public lands (NPS Plan Task 3)^{CPM W4}

STATUS: *Of the 2055 assessed stream miles located on Federal public lands, 47 percent (965 miles) were assessed in 2006 as fully supporting the beneficial uses and 53 percent (1090 miles) were assessed as impaired. The 2006 monitoring of 260,449 lake acres resulted in 89 percent (231,211 acres) assessed as supporting the beneficial uses and 11 percent (29,238 acres) assessed as impaired.*

- b. Completed field project reviews with documented observations and recommendations summarized in NPS Program Annual Report. (NPS Plan Task 29)

STATUS: *A field review was conducted with the Dixie National Forest on September 12 & 13, 2007 and a trip report was prepared which will be submitted to EPA as part of the NPS Annual Report.*

- c. Number of 303(d) water bodies (streams and lakes) located on public lands (FS and BLM) and number of TMDLs developed in conjunction with and support of FS or BLM. Report results in EOY report for the PPA and NPS annual report.

(NPS Plan Tasks 3 & 5)

STATUS: *There were 30 lakes on the 2006 list of 303(d) waters and 16 stream 303(d) assessment units located on Federal lands. There are 6 lakes and reservoirs throughout USFS administered lands in Utah that are currently having TMDLs developed in coordination with the USFS and DWQ.*

- d. Depending upon resource constraints related to fires and other management priorities, work jointly to revise memorandum of understanding with FS and BLM (NPS Plan Task 20)

STATUS: *No progress was made to revise the subject MOUs. Per discussions with the Forest Service, this task may be started this year.*

3. Improve public awareness and support of TMDL development and implementation through the watershed approach and nonpoint source program:^{WTR}

- ◆ Continue to work on revising the 1995 NPS I&E strategy to support development and implementation of TMDLs and other NPS Program priorities.
- ◆ Increase non-governmental partnership in implementing the Watershed Approach developed TMDLs and NPS Management Program.
- ◆ Promote the Watershed Approach to TMDL development via conferences, newsletters and basin workshops and through the Utah Watershed Coordinating Council.

Measures:

- a. Number of new Adopt-A-Waterbody groups and number of groups linked to TMDL waters. (NPS Plan Tasks 16 & 17)

STATUS: *Three new AAW groups were formed this year. Entities conducted projects on East Canyon Creek and the Jordan River watersheds.*

- b. Provide input and assistance to the annual Nonpoint Source Water Quality conference.

STATUS: *Minimal assistance was needed this past year. Most of the conference planning and arrangements were handled by USU Extension and USU Conference Services in conjunction with the Bear River Commission and the USU College of Natural Resources. The focus of the conference was the Bear River Symposium.*

- c. Revised NPS Program I&E Outreach Strategy. Target completion date is March, 2007. (NPS Plan Task 17)

STATUS: *No action was made to revise the present strategy. Efforts by Jack Wilbur, the state NPS program I&E coordinator, are focused on training and implementing social marketing principles and skills through assistance to local watershed coordinators.*

- d. Document public information actions completed to promote Watershed Approach/TMDL planning process and other key program actions, i.e. WQS, and 303(d) listing. Such actions will be reported in the EOY PPA report. (NPS Plan Task 15)

STATUS: *The DWQ established a Water Quality Standards Workgroup composed of stakeholders and the regulated community. The purpose is the discuss WQS issues and obtain feedback and direction for proposed revisions to R 317-2 Standards of Quality for Waters of the State.*

4. Implement nonpoint source best management measures on a priority water quality protection/improvement basis supporting the implementation of TMDLs.^{WTR}
 - ◆ The state will continue implementation of Utah AFO/CAFO strategy and report results.
 - ◆ Solicit and review priority project proposals, PIPs and prepare 319 application.
 - ◆ Monitor and evaluate project implementation jointly with local sponsors.
 - ◆ Conduct watershed evaluations and write reports for selected 319 watershed projects with assistance of ‘partners’ (cooperating agencies).
 - ◆ Report non-319 investment in watershed restoration projects by other entities through participation in watershed based/TMDL process.

Measures:

- a. Assess and report according to 305(b) cycle, the number and percent of lake acres and stream miles monitored which have water quality supporting designated beneficial uses (NPS Plan Tasks 3 & 5)

STATUS: *Of the 10,446 stream miles assessed for the 2006 305(b) report, 7,521 (72%) miles were assessed as supporting designated beneficial uses. One hundred-thirty-two (132) lakes were assessed and 467,787 acres (97.1%) were assessed as supporting their designated beneficial uses.*

- b. Report those waters identified on 2000 303(d) list of impaired waters or subsequent 303(d) lists where those waters have been restored to partial or full attainment of assessed beneficial uses. (WQ-15)^{CPM W5}

STATUS: *Mill Creek-3, from the USFS bound to its headwaters (14.5 miles) have been restored to have full attainment. The Little Bear-2 has been restored (6.7 miles) and the designated beneficial uses are fully supported.*

- c. Practices implemented appropriately and effectively and natural resource improvements being achieved for 319 NPS Watershed Projects. Also report on reductions in nonpoint source loadings for sediments, nitrogen and phosphorus and improvements in water quality for information available. Information will be included in project annual reports (GRTS), final project reports and NPS Program annual report. (NPS Plan Tasks 2, 6, 36 & 40) ^(WQ-14)

STATUS: *DEQ sponsored a one-workshop on March 29, 2007 to train local watershed coordinators in several empirical models that they can use to determine NPS load reductions. Models such as UAFRRI, STEPL and others are being used. DEQ and UDAF will prepare a summary of such information provided by UACD, Farm Bureau and local watershed coordinators. The summary will be include in the 2007 NPS Program Annual Report. Project specific information is being entered into GRTS by UDAF as it is received.*

- d. Report non-319 funding in watershed protection / restoration projects in project annual and final reports. (NPS Plan Task 34)

STATUS: *Some such information is being gathered and reported in various methods such as project fact sheets, progress reports, and final project reports. For example in a recent fact sheet on the San Pitch River Watershed other revenue figures included landowners \$518,000 (cash and inkind), NRCS \$15,000, National Association of Counties \$6,000 and Sanpete County \$30,500.*

- e. Report progress in implementing Utah AFO/CAFO Strategy through semi-annual reports to 'partners' and an annual progress summary report. (NPS Plan Task 34)

STATUS: *Reports are presented at the Utah AFO/CAFO Committee meetings, at the NPS Task Force meetings periodically and to the Water Quality Board. The annual fact sheet will be updated in February 2008 upon receipt of the Annual Progress Report from Utah Farm Bureau and UACD.*

- f. Continue to provide information on fish consumption advisories through the National Listing of Fish and Wildlife Advisories. Such state advisories are posted on the DEQ/DWQ Web site at www.waterquality.utah.gov. ^{CPM W3}

STATUS: *Current information on fish advisories in Utah has been updated via the National Listing and is also current on the DEQ Web site at www.deq.utah.gov/Issues/Mercury/fish_advisories.htm.*

- g. Report (A) number of the Nation's watersheds where: water quality standards are met in at least 80% of the assessed water segments. It is anticipated that Utah will have no watersheds at the HUC level requested to report this level of achievement. This level of resolution is far too large. Utah's approach to

assessment, TMDL development and implementation is on a much smaller scale. We will report on specific TMDL approved waterbodies where restoration has restored beneficial uses. In addition we will not be able to report (B) all assessed water segments maintaining their quality and at least 20 percent of assessed water segments show improvement above conditions as of 2002. (WQ-15)^{CPM W6}

STATUS: *The numbers of stream miles restored to full attainment are listed in 4.b. above.*

5. Implement aggressively the watershed approach to water quality assessment and TMDL development and implementation in Utah to complete assessments and develop TMDLs for impaired waters according to the approved 303(d) list.^{WTR}

- ◆ Provide leadership and direction in promoting the Watershed Approach in developing TMDLs for targeted areas of impairment.

STATUS: *Leadership has been provided through the Utah Watershed Coordination Council that met in the Spring, Summer and Fall to deliver funding, technical and leadership development information to local watershed coordinators and their chairpersons. A regional capacity building grant was recently obtained to help further the development of local watershed groups and promote their effectiveness in implementing TMDL Watershed plans.*

- ◆ Complete integrated report pursuant to CWA Sections 303(d) and 305(b) and submit to EPA by April 1, 2008. (WQ-10)
- ◆ Direct the development of local basin Steering Committees and Technical Advisory groups to oversee development and implementation of TMDL watershed based plans.

STATUS: *New steering committees have been formed to provide oversight on the development of TMDLs, including the Newcastle Reservoir Steering Committee and the Echo Reservoir Steering Committee.*

- ◆ Work with USDA/NRCS to promote the integration of EQIP funding into the watershed approach basin NPS priority areas by participation in the Local Work Groups, Zone Executive Committee Meetings, State Technical Committee.
- ◆ Utilize local watershed steering and technical advisory committees to develop TMDLs or watershed plans in accordance with Utah's Watershed Approach Framework or EPA's FY 04 NPS Grant Guidelines.
- ◆ Establish local watershed coordinator positions for high priority watersheds.

STATUS: *Local watershed coordinator positions have been established in the Bear River, Upper Weber, Lower Weber, Uinta Basin, Jordan River, San Pitch, West Colorado, Upper Sevier, Middle and Lower Sevier and Virgin River watersheds.*

Measures:

- a. Number of developed TMDLs or Watershed Plans and identify those in progress. (NPS Plan Task 4)

STATUS:

2006 TMDL Submissions

Original scheduled percent of TMDLs complete by 2006: 64% (91)
Actual percent of completed TMDLs: 82% (117)

2008 TMDL Submissions

Number of TMDLs scheduled for completion by 2008: 14

Big East Lake	Dissolved Oxygen
Brough Reservoir	Dissolved Oxygen, Temperature
Lower Gooseberry Reservoir	Dissolved Oxygen
Cutler Reservoir	Total Phosphorus, Dissolved Oxygen
Mill Hollow Reservoir	Total Phosphorus
Newcastle Reservoir	Total Phosphorus, Dissolved Oxygen
Nine Mile Reservoir	Total Phosphorus, Dissolved Oxygen
Piute Reservoir	Total Phosphorus, Temperature
Recapture Creek Reservoir	Dissolved Oxygen
Red Creek Reservoir (Iron County)	Dissolved Oxygen, Total Phosphorus
Red Fleet Reservoir	Temperature, Dissolved Oxygen
Steinaker Reservoir	Temperature, Dissolved Oxygen
Tony Grove Reservoir	Total Phosphorus, Dissolved Oxygen
Yankee Meadow Reservoir	Dissolved Oxygen

- b. Number of basin steering and technical advisory committees formed and functioning (NPS Plan Tasks 9 & 10)

STATUS: *Approximately 30 planning groups are currently functioning.*

- c. Number of watershed-based plans and (river miles or acres covered), supported under State NPS Management Programs since beginning of FY-2002 that have been substantially implemented per information reported in GRTS. (WQ-27)

STATUS: *This status has not changed since the EOY 2006 Report on the PPA. There are four such watershed including Little Bear River, Chalk Creek, Otter Creek and Newton Creek. Implementation in three of the watersheds has been underway since the early 90's. Also it should be noted that even though there has been substantial implementation in these watersheds there are still water quality*

problems that might warrant further implementation of BMPs in the future.

- d. 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.

STATUS: *Similar information as reported in the EOY report for FY2006. Some eleven watershed based plans have been developed and of those ten are being implemented in a major way. They include Little Bear River, Middle Bear River, Newton Creek, Chalk Creek, East Canyon Creek, San Pitch River, Upper Sevier River, Fremont River, Otter Creek, and Beaver River.*

- e. Complete integrated 305(b) and 303(d) report/list by April 1, 2008. Also update the EPA Assessment Database. (WQ-11)
- f. 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)

STATUS: *An estimated \$7,175,240 (37%) of the total Farm Bill allocation for Utah in FY-2007 was utilized in 303(d) and TMDL watersheds.*

- g. Number of priority watershed coordinator positions developed and functioning according to contract work plans. (NPS Plan Task 9)

STATUS: *Local watershed coordinator positions have been established in the Bear River, Upper Weber, Lower Weber, Uinta Basin, Jordan River, San Pitch, West Colorado, Upper Sevier, Middle and Lower Sevier and Virgin River watersheds.*

- 6. Maintain Water Quality Standards as the basis for effective water quality management and assessment programs.

Measures:

- a. Complete triennial review of WQS and submit to the EPA Regional Administrator for review and approval. (Feb 2007) (WQ-5a/6a)

STATUS: *A triennial review was initiated in 2007. Proposed changes to the water quality standards generated much discussion and the review was withdrawn. A stakeholder's water quality standards workgroup was established with representation from major interest groups and governmental agencies. The workgroup has been meeting during the last quarter of 2007 and is making recommendations to DWQ. It is anticipated that the triennial review will be initiated in 2008 and completed mid-year 2008.*

- b. Continue implementation of Nutrient Criteria Development Plan. Provide annual progress report to EPA (February). (WQ-2)

STATUS: *In 2004 DWQ developed a plan for developing nutrient criteria for Utah's lakes and streams. Key components of this plan included developing monitoring and assessment strategies that provided biological and habitat information. Currently DWQ is pursuing two modeling strategies that will provide the actual assessment tools (Riv-PACS model and a multimetric IBI). DWQ employs an FTE with full-time duties toward developing these models. All EMAP sites and additional sites have been evaluated for inclusion in reference condition definition. There are currently about 120 river and stream reference sites. We will begin including biological monitoring information in Utah's 2008 Integrated Report. Although not part of the original Nutrient Criteria Development plan, DWQ has made considerable progress toward development site-specific nutrient criteria for Great Salt Lake wetlands. This is a nationally-leading effort toward establishing nutrient criteria for wetlands (see special studies below). DWQ has not made significant progress toward nutrient criteria for lakes. As with wetlands and stream nutrient criteria development, we anticipate that considerable funding support will be necessary to engage in this goal.*

7. Maintain compliance with Section 303(d) list submittal requirements and completion of scheduled TMDLs as negotiated with EPA (1998).

Measures:

- a. Submit FY-2008 303(d) list to EPA on or before April 1, 2008. The list will identify TMDLs completed during reporting period and those proposed for completion during next reporting period, waters proposed for delisting based on criteria, and waters proposed for development of site specific criteria or alteration of water quality standards. (NPS Plan Task 3 & 5) **(WQ-10)** ^{CPM W6}

STATUS: *The draft 303(d) list will be submitted to EPA by April 1, 2008. The draft will be finished by the end of December 2007 and posted for public comment.*

8. 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 from ~24 to ~74 and use these data to support a number of water quality programs:

- Continue to sample 5-10 reference sites per year to enhance biological assessment tools.

- Sample new locations within rotating basins to quantify the biological integrity of state waters that have not been assessed (303(d) list).
- Use biological assessment data to help set endpoint targets for TMDL implementation.
- Sample at locations identified as in need of further study to determine impairment status.
- Continue to sample long-term sites to develop long-term trends of biological integrity.

Measures:

- a. Develop an annual biological monitoring strategy that best balances the programmatic needs of stakeholders and make the list of sites available for review. (8/1/06)
- b. Collect physical habitat, macroinvertebrate, and periphyton samples at ~70 streams annually to provide the data necessary to augment assessment tools and fulfill both TMDL and 303(d) assessment needs. (11/1/06)

STATUS: *During the Fall 2007 sampling season in September and October of 2007, the DWQ collected samples for the UCASE program (Utah's Comprehensive Assessment of Stream Ecosystem's program). We collected physical habitat and biological data for approximately 55 sites throughout the state. These included building our reference base sites as well as sites from our rotating basin program. We work on a rotating basin schedule to increase the number of river miles analyzed over the long-term.*

- c. Analyze existing reference data and develop a report that identifies specific types of streams where additional reference data are needed. (5/1/07)

STATUS: *dyp check with Jeff O.*

- d. Digitize both field and laboratory data and store in a readily accessible database. (ongoing)
- e. Collect periphyton samples at all biological monitoring sites and preserve them such that diatoms can be enumerated and identified. (11/1/06)

STATUS: *During the UCASE sampling period, we collected periphyton samples as per our protocols. These samples have been delivered to Sam Rushforth to be enumerated and identified.*

- f. Compare assessments made with diatoms with those made with macroinvertebrates to determine stressors-specific responses of each assemblage. (ongoing)
- g. Develop an autecology table that links diatom taxa to characteristics that describe water quality. .

STATUS: *We have begun discussions with Dr. Sam Rushforth regarding some new software that can be used in future analyses of diatoms and water quality. Develop tools that generate easily-interpretable, quantitative estimates of biological integrity from raw taxonomic lists. (ongoing)*

- h. Compile and utilize existing biological data to create preliminary site assessments and include these assessments in the 2008 Integrated Report. (12/01/2006)

STATUS: *The biological assessment has been incorporated into the 2008 Integrated Report. This report will be submitted to the US EPA in January 2008.*

- i. Develop, evaluate, and refine a macroinvertebrate RIVPACS-type empirical model. (11/1/06).).

STATUS: *The RIVPACS model has been developed and refined so that biological data is now incorporated into the 2008 Integrated Report.*

- j. Develop, calibrate, and refine macroinvertebrate multimetric indices for the major ecoregions of the State. (11/1/06)

STATUS: *At this time we are considering combining our multimetric indices with our multivariate procedures for evaluating macroinvertebrates in the major rivers of the state. Currently, we are focusing our energies on the RIVPACS models, i.e. multivariate analyses.*

- k. Evaluate all assessment tools and determine appropriate thresholds of impairment and develop a procedure for incorporating these measures into the listing process. (2007)

STATUS: *We have used our RIVPACS model and developed thresholds of impairment based on O/E values. These procedures have been used to add assessment units to the list as well as to delist some areas based on the biological data analyses from the RIVPACS model.*

- l. Document all procedures and analyses used in tool development so that all methodology is transparent. (2007)

STATUS: *At this time a report is being generated by Dorrie Panayotou on the procedures for this biological assessment. Parts of this report are included in the 2008 Integrated Report as well. However, there is a stand alone document that*

documents the development of the model and all of the assessment procedures for the biological data collected over the last five (5) years.

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 (4/15/07 Richard & Tom).

STATUS: *A monitoring plan was developed, printed and distributed electronically on DWQ's website.*

A new monitoring plan is under development for FY2008 and includes a number of noteworthy changes to previous sampling efforts:

- *A sampling strategy for E. coli collections has been developed and will be implemented during the summer of 2007. Initial screening will be conducted at all lakes and reservoirs with primary contact recreational beneficial uses and all streams with chemical water sample stations. These efforts will provide the most extensive evaluation of recreational beneficial uses that has ever been possible for Utah's waters.*
- *A systematic collection strategy has been developed for mercury fish tissue analyses by looking at existing data and identifying sites with potential problems but insufficient data to issue advisories and new sites in close proximity to areas where health advisories have been implemented. We are working closely with Utah's DWR on collection efforts, which has allowed us to maximize limited resources to better understand this emerging water quality issue.*
- *The monitoring section is working closely with the TMDL section to conduct special studies that bolster existing data for sites where TMDLs are under development. This year, workplans have been developed for Cutler Reservoir, East Canyon Creek, and the Jordan River.*
- *A long-term ambient sampling program is being developed for the Farmington Bay wetlands as we begin to think about developing a more robust statewide wetland monitoring and assessment efforts.*
- *DWQ is participating in the 2007 EMAP program for lakes and reservoirs throughout the state.*

Biological monitoring continues to expand. While our reference site network continues to expand, we have sufficient reference data that we can begin conducting biological monitoring at other sites throughout the state to better understand the biological integrity of our streams and rivers. Thus far, we have

focused on assessments at sites with potential problems with eutrophication, effectiveness monitoring for NPS 319 projects, and sites with existing or forthcoming TMDLs. This year we are hoping to begin integrating ambient biological monitoring and assessments into our rotating basin approach for chemical data.

- b. Work with EPA to implement the long-term (ten years) monitoring and assessment strategy plan for Utah. (Ongoing Richard) (WQ-07)

STATUS: *A 10-year, long-term monitoring program was developed and has been reviewed by the EPA.*

- c. Download from EPA the remaining EMAP data upon availability for use in assessments. (Ongoing Jeff)

STATUS: *All existing data have been downloaded and are stored at DWQ in a database. DWQ continues follow EMAP collection methods for all biological assessments sites and has been working closely with the EPA to scan and digitize these data.*

- d. Implement biological and ambient ground water monitoring program using incremental 106 funding. (Richard/Jeff/Bill D. Ongoing)

STATUS: *A long-term strategy for utilizing the incremental 106 funds to bolster the biological and groundwater programs has been developed and approved by the EPA. Due to unforeseen logistical problems, the groundwater sampling program will not be implemented until FY2008. We have developed alternative plans for the use of these funds to augment our monitoring efforts, but we need to discuss new terms with the EPA.*

- e. 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 of HGM and wetland reference sites. This effort contributes to the watershed planning in the Great Salt Lake Basin. EPA will provide technical assistance. (Theron Miller,Ongoing)

Renew contracts with bug lab (macroinvertebrates) and Dr. Sam Rushforth (periphyton & phytoplankton. (7/01/07 Jeff/Richard)

STATUS: *These contracts will be renewed in early January 2008. Dorrie Panayotou will work with Mark Vinson from Utah State University (i.e. the Bug Lab) and Dr. Sam Rushforth to create the new contracts. Any and all identification needs will be included in these contracts including work for the Farmington Bay Wetlands program as well as any non-point source pollution sites.*

These contracts have not been renewed, but DWQ continues to maintain close working relationships with both contractors.

- f. 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)
- 1) Develop protocol for listing of impaired waters. (John Whitehead/Tom Toole, 3/1/2007)
 - 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)

STATUS: *Arne and a representative from IT have been working closely with EPA Region 8 on developing a plan to address this issue. To dates, efforts have primarily focused on fleshing out the surround the issue. We anticipate creating a long-term approach over the next few months.*

3. Evaluate the effect on DEQ of new Department of Health Work Time Units (WTUs). (Harry, Richard and Arne)

STATUS: *We compiled a list that transferred previous Work Time Units to the new calculations and submitted a proposal to the Department of Health that would maintain our previous allocations resulting in no net loss of lab capacity. The lab has accepted these numbers, but the agreement has not been formalized.*

Although we anticipate having sufficient lab capacity to meet our needs, we have many new monitoring efforts underway and we are carefully scrutinizing collection efforts to maximize our limited allocations. For instance, we are working with our cooperators (BLM, Park Service, Forest Service) to help ensure that data collected by these agencies meets assessment needs. In addition, we will reduce by half the number of samples collected at each of the lakes and reservoirs and limit sampling to a single collection in peak growing season as these are the data used most frequently for assessments.

The effect of mercury fish tissue analyses on WTUs is an emerging issue and we are starting negotiations with the Department of Health on how to continue with this critical work without adversely affecting other critical monitoring efforts.

SPECIAL STUDIES

1. Draw preliminary conclusions on nutrient loadings and their effect on Farmington Bay and its associated wetlands and make recommendations to the WQB. (Theron Miller).

STATUS: *Since 2004, a substantial research effort has been made to understand important ecosystem linkages and the influence that nutrients and other water quality parameters have on the open water and wetland ecosystems of Farmington Bay. Significant progress has been made on both systems. However, greater emphasis has been placed on wetland processes and key components that respond to nutrient loading. Sheetflow wetlands do not appear to be directly susceptible to nutrient loading. Shorebird reproduction is among the highest success rates ever measured and macroinvertebrate food sources appear plentiful. Impounded wetlands (Farmington Bay Wildlife Management Area and numerous private duck clubs) attract and support hundreds of thousands of staging waterfowl each year. However, we have discovered one potential detriment to these pond ecosystems. Early fall senescence of the primary food plant, sego pond weed (*Stuckenia pectinatis*) has occurred in each of the last three years as compared to reference sites. We are currently focusing on the potential linkage of plant health to excess nutrient loading from Jordan River and its associated POTW discharges. Finally, we are making considerable effort and progress in unifying these nutrient studies with the ongoing TMDL studies currently underway for the Jordan River. This will result in a watershed approach in meeting Jordan River, Farmington Bay and Great Salt Lake water quality goals.*

2. Effectively lead the work of the GSL Steering Committee and Science Panel (ongoing, Walt Baker, Bill Moellmer, Rino Dicaldo).

STATUS: *Efforts in developing a Selenium standard for the open water of the Great Salt Lake has continued over the last two years. Contracts with Primary Contractor and Principal Investigators are being completed with final reports due by January 2008. Excellent scientific studies have been undertaken and completed. Rule making to have a Selenium water quality criterion in place is scheduled for mid-2008.*

3. Complete work on the Mining Plan Component to the NPS Management Plan (Ying-Ying Macauley)

STATUS: *No progress was made in FY-2007 to complete the Abandoned Mine component. Efforts are resuming in FY-2008 with the intent to complete and submit to EPA for approval.*

4. Continue to chair the Mercury Work Group. (John Whitehead) (FS-1a)

II. CUSTOMER SERVICE

DWQ

1. Foster integrated information management.

Measures:

- a. Continue efforts to convert PCS to ICIS (ongoing, Mike Herkimer and Edith Van Fleet).
- b. Continue efforts to implement a division document management system (ongoing, Kiran Bhayani).
- 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. Enhance DWQ web page (December 1, 2005, Dave Wham)
- f. Continue to utilize Groupwise for calendaring, 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)

STATUS: *The Legislative Water Task Force was chiefly concerned with water rights issues unrelated to water quality issues, therefore, there was limited involvement this year.*

- d. Develop rules for CAFO permits following EPA's promulgation of its regulations. (Don Hall) Status: DWQ is waiting for the CAFO Rule
- 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) Status: hard copies of the CNMPs will be retained in the AFO/CAFO Coordinator Office.
- 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)

STATUS: *New water reuse rules are presently in the rulemaking process. Estimated adoption: Jan 2008.*

- b. Develop administrative rules for Use Attainability Analyses. (Dave Wham)

STATUS: *Administrative rule development was determined to be too restrictive and instead a more flexible policy approach with established guidelines for conducting UAA has been developed.*

- c. Revise UIC rules (Candace Cady).

- d. Incorporate 303(d) listing criteria into administrative rule. (Tom Toole)

STATUS: *DWQ is evaluating the merits of this action.*

- e. Fully develop biological water quality indicators into the Integrated Report (Tom Toole and Jeff Ostermiller)

STATUS: *Biological indicators have been developed and are being applied in limited manner to beneficial use assessment for the 2008 Integrated Report.*

- f. Develop ground water rules pertaining to FML/clay liners in agricultural lagoon applications. (Rob Herbert)

- g. Revise UPDES rules to allow stand-alone rules for AFO/CAFOs, storm water, pretreatment, biosolids, etc. (Mike Herkimer)

- h. Establish a stakeholder group to make recommendations on revisions to R317-3 (In progress as of November 13, 2007, Ed Macauley, John Mackey)

- i. Complete triennial water quality standards review (Bill Moellmer)

STATUS: *A triennial review was initiated in 2007. Proposed changes to the water quality standards generated much discussion and the review was withdrawn. A stakeholder's water quality standards workgroup was established with representation from major interest groups and governmental agencies. The workgroup has been meeting during the last quarter of 2007 and is making recommendations to DWQ. It is anticipated that the triennial review will be initiated in 2008 and completed mid-year 2008.*

- j. Update TMDL rules by including recently completed TMDLs (Carl Adams)

STATUS: *Rules were updated with completed TMDLs within 120 days of receiving formal approval from EPA.*

- k. Establish a stakeholder group to make recommendations on revisions to R317-4 addressing Tiered Aquatic Life Use (TALU) designations, biological tools, and nutrient criteria.. (Bill Moellmer, Jeff Ostermiller and Theron Miller 9/1/06)
- l. Incorporate Tax Exemption criteria into administrative rule. (Rino Dicataldo)

2. Legislative Goals

Measures:

- a. Developed legislation to institute a "Loan Origination Fee" on all wastewater loans to allow the discontinuance of current administrative fees and adopted rule changes to R317-101 and R317-102 to implement these changes effective October 22, 2007. (Ed Macauley)
- b. Develop legislation to initiate Operating Permits for all non-discharging wastewater treatment facilities. (John Kennington)

STATUS: *Operating Permit/Aquifer Protection program legislation has been developed and entered for consideration during the 2008 Utah Legislature General Session. Before the session the DWQ is conducting a outreach program to educate stakeholders about the program and to determine if there is any opposition to the program.*

- c. Develop a plan to institute on-going funding for mercury and PCB investigations. (John Whitehead)
- d. Develop legislation to provide grants to NPS pollution projects and increased flexibility to fund important water quality studies. (Walt Baker)

IV PARTNERSHIP WITH FEDERAL, STATE, LOCAL AND TRIBAL GOVERNMENTS

DWQ

1. Effectively implement the DEQ initiative on subdivisions and growth with local health departments by completing a model ordinance (Bill Damery, 6/1/2006).
2. 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. Revise and update the MWPP and foster increased participation. (Ongoing Paul)
 - b. Allocate funding for good wastewater infrastructure planning. (Ongoing, Ed Macauley)
 - c. 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. Encourage the department to implement the division “Plan.” (Walt Baker, John Whitehead and Harry Judd)
 - ASIs
 - Reorganization

- e. A personal meeting will be held with each new division employee (Walt Baker)
 - f. Investigate opportunities for intra-office activities to foster comradery (Employee Committee)
2. Implement Personnel Measures

Measures:

- a. Develop the division's Employee Handbook. (Monique Rodriguez and Mary Fugate)
- 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. (Dan R)
- 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)

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)