

**UTAH PPA  
END OF YEAR REPORT  
FFY2015**

**Utah Department of Environmental Quality  
and  
U.S. Environmental Protection Agency, Region VIII**

**December, 2015**

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## Introduction

This End of Year Report documents the accomplishments of the Utah Department of Environmental Quality under the FY15 Performance Partnership Agreement and Performance Partnership Grant.

Utah DEQ appreciates the flexibility allowed by the PPA and PPG in meeting critical environmental goals and the burden reduction offered by a single end of year report.

We remain committed to the PPA as “the most effective mechanism through which EPA and states can explain jointly-developed goals and priorities and how they will work together to achieve environmental results.”<sup>1</sup>

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<sup>1</sup> EPA Website, Performance Partnership Agreements at [http://www.epa.gov/ocir/nepps/pp\\_agreements.htm](http://www.epa.gov/ocir/nepps/pp_agreements.htm)

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UDEQ DIVISION OF AIR QUALITY**

<b>EPA Goal and Objective</b>	<b>EPA Measurement</b>	<b>DEQ Goal</b>	<b>DEQ Measure</b>
<p>Goal 1: Improving Air Quality – Achieve and maintain health-based air pollutant standards and reduce risk from toxic air pollutants and indoor air contaminants</p>	<p>Reduce Criteria Pollutants and Regional Haze</p>	<p>1. Develop and implement appropriate SIPs for all areas of the state.</p>	<p>a. State develops all State Implementation Plan revisions required to meet federal law and submits them to EPA for their review and approval according to the established timeframe.</p> <p><b>STATUS: The State will have completed the PM2.5 SIPs required under Subpart 4 by December with the cooperation of EPA Region 8, but without the required federal guidance by which EPA will judge them. All other outstanding SIP revisions are awaiting the development of EPA guidance.</b></p>
		<p>2. Develop and improve appropriate inventories.</p>	<p>b. All measures contained in the SIP approved by the Air Quality Board are fully implemented.</p> <p><b>STATUS: Utah has implemented all control measures contained in plans submitted to EPA.</b></p>
			<p>a. The Title V inventory is prepared by August 15.</p> <p><b>STATUS: The Title V Emissions Fee invoicing was prepared by August 15, 2015.</b></p>
			<p>b. Required inventory data is entered into the NEI on or before by June 1.</p> <p><b>STATUS: All of the required inventory data which include point, area, mobile, and non-road inventories are on track to be submitted to the NEI by the new due date of January 15, 2016.</b></p> <p>c. Non-HAP/non-Criteria/non-MACT regulated pollutants are inventoried as required by federal rules.</p> <p><b>STATUS: Non-HAP/non-Criteria/non-MACT inventories were submitted by April 15, 2015.</b></p> <p>d. The inventories required for the Maintenance Plans and SIPs are developed as required and appropriate technical support for each is submitted to EPA for their review with the applicable plan.</p>

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EPA Goal and Objective	EPA Measurement	DEQ Goal	DEQ Measure
			<p><b>STATUS: All Episodic, base-year, and projected-year inventories required for SIP development were developed and documented within the appropriate TSD, taken out for public comment and submitted to EPA with the SIP packages.</b></p>
		<p>3. Continue to meet federal requirements for PSD increment tracking.</p>	<p>a. Increment consumption for major sources is tracked as permits are issued.</p> <p><b>STATUS: Class I and Class II increment analyses were completed for all PSD permit applications.</b></p>
		<p>4. Maintain an adequate ambient air quality monitoring program meeting the requirements of 40 CFR Part 58 to assess public exposure to air pollutants and to establish the attainment status.</p>	<p>a. The annual Monitoring Network Plan is completed and submitted to EPA by July 1. Evaluate monitoring network to reflect recent changes in funding and national monitoring requirements to optimize the network.</p> <p><b>STATUS: The annual network plan was completed and made available for public inspection on May 1, 2014. The final document was submitted to EPA on June 23, 2014. To date, EPA has made no comments on the plan.</b></p>
			<p>b. The PM2.5 monitoring network is maintained and operated as appropriate funding is received from EPA.</p> <p><b>STATUS: The PM2.5 monitoring network was maintained and operated as funded by EPA. During EPA's triennial audit of the monitoring network, EPA identified probable substantive issues with the filter-weighting lab, which may result in of particulate matter data for 2013, 2014 and 2015 being invalidated.</b></p>
			<p>c. Monitoring data are submitted to EPA 90 days after each quarter.</p> <p><b>STATUS: Data are generally submitted to EPA within 90 days after each quarter.</b></p> <p>d. Locations for new monitoring sites are based on current emission inventories, air quality modeling and EPA regulation.</p>

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EPA Goal and Objective	EPA Measurement	DEQ Goal	DEQ Measure
			<p><b>STATUS:</b> This is an ongoing standard procedure. All sites are selected using a variety of inputs, including saturation studies, modeling, availability of a suitable site, etc. Based on these procedures, several new sites have been established or are in the process of being established: Herriman and Sandy/Midvale in Salt Lake County; Erda in Tooele County,</p>
			<p>e. Staff works with EPA to assess the impacts of changes to 40 CFR 58, and continue planning for the implementation of those changes (National Monitoring Strategy/Ncore Monitoring Network).</p> <p><b>STATUS: The required NCORE monitoring started January 1, 2011 and continues.</b></p> <p>f. The National Air Toxics Trends site in Bountiful is operated in accordance with NATTS QAPP with appropriate updates.</p> <p><b>STATUS: The National Air Toxics Trend site in Bountiful is operating. Samples have been collected and submitted to EPA's contract lab. The data have been reviewed and approved for submittal into EPA's AQS data base.</b></p> <p>g. An appropriate response to each identified NAAQS violation is prepared and submitted to EPA.</p> <p><b>STATUS: UDAQ and EPA use the current monitoring data to propose the attainment status for each area in Utah. As monitored exceedances of the NAAQS are identified that are influenced by exceptional events, appropriate data flags are being applied, and supporting documentation submitted to EPA for review and concurrence. As nonattainment areas are identified, appropriate State Implementation Plans are developed to address the issues causing the nonattainment status.</b></p> <p>h. The annual certification of 2014 data is completed by the May 1, 2015 annual certification date.</p>

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EPA Goal and Objective	EPA Measurement	DEQ Goal	DEQ Measure
			<p><b>STATUS: Certification of 2014 data was completed and submitted to EPA on April 30, 2015.</b></p>
			<p>i. Participation in the Three-State Air Quality Study continues with two major tasks: 1) review the continued operation of the Price ozone/meteorological site after collecting 3 years of Federal regulatory data based on availability of EPA or BLM funding; and 2) provide staff and other support to the Three-State Data Warehouse and modeling efforts as the project design matures and funding allows.</p> <p><b>STATUS: UDAQ continues to operate the Price monitor in support of the Three-State study goals. This monitor is classified as special purpose and all data is submitted to AIRS. UDAQ staff participates on the 3-State Project steering committee and helped develop the study plan. The monitoring portion of the study was completed on December 31, 2013, but the state continues to operate the site and will continue to operate the site as long as Three-State funding is available.</b></p> <p>j. Submit AQS data in XML format.</p> <p><b>STATUS: Per conversations with Richard Payton, this requirement is no longer in place.</b></p>
		<p>5. Maintain the compliance status of air pollution sources in the state.</p>	<p>a. By November 15, prepare and submit to EPA for review and approval the compliance monitoring strategy incorporating the provisions of EPA's July 14, 2014 Clean Air Act Stationary Source Compliance Monitoring Strategy. Coordinate with EPA to ensure that CMS sources are flagged in ICIS-AIR for inspection, and to ensure that high priority violations and associated enforcement actions are correctly identified in ICIS-AIR.</p> <p><b>STATUS: The Compliance Monitoring Strategy for FFY 2016 was submitted to USEPA Region VIII on November 12, 2015</b></p>

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EPA Goal and Objective	EPA Measurement	DEQ Goal	DEQ Measure
			<p>b. Asbestos notification, certification and outreach programs are continued, and at least 120 on-site inspections are performed.</p> <p><b>STATUS: Asbestos notification, certification and outreach programs were operated and inspections were performed at 243 sites.</b></p>
			<p>c. The work program for the AHERA Toxic Substances Compliance Monitoring Grant is continued. The AHERA Grant Work Plan approved by EPA Region VIII will be the environmental measure of success for the Utah AHERA Program.</p> <p><b>STATUS: The AHERA Grant work program was completed and reported in a separate report.</b></p>
		<p>6. Implement the Operating Permits Program meeting the current requirements of Title V, CAAA 1990, and the Utah Air Conservation Act.</p> <p>7. Continue issuing approval orders for new sources and modifications of the existing approval orders.</p>	<p>a. An Operating Permits Program is continued as described in program approval from EPA.</p> <p><b>STATUS: The Operating Permits Program has been implemented as outlined in the program approval from EPA. The Title V Permits have been issued as expeditiously as possible</b></p> <p>b. The provisions of the Acid Rain Act and 40 CFR Part 72 and Part 76 are implemented.</p> <p><b>STATUS: The implementation of 40 CFR Parts 72 &amp; 76, and the Acid Rain Act are ongoing.</b></p> <p>a. A demonstration is made that the NAAQS and PSD increment ceilings in Class I and Class II areas are protected.</p> <p><b>STATUS: Air quality modeling was completed for major and minor source applications according to R307-410-3.</b></p> <p>b. BACT/LAER determinations are either entered into the RACT/BACT/LAER Clearinghouse or the information is provided to EPA so they can enter the data.</p>

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EPA Goal and Objective	EPA Measurement	DEQ Goal	DEQ Measure
			<b>STATUS: This is an ongoing process that is performed continually.</b>
		8. Quality Assurance programs are reviewed for effectiveness.	a. Statistical quality standards are met for the collection of ambient air data and emissions inventories prepared by the State.  <b>STATUS: On-going – All statistics were collected for site inspections, monitoring, inventory, etc. following the existing QA protocols.</b>
		b. Rules, regulations, procedures, policies, and protocols are complied with.  <b>STATUS: UDAQ complies with all rules, regulations, procedures, policies and protocols.</b>	
		c. Regulatory activities are documented, including the appropriate technical support.  <b>STATUS: All commitments were met or exceeded. Data to verify that commitment were met is in AIRS.</b>	
		d. The State and EPA agree on the adequacy of air program results.  <b>STATUS: UDAQ and EPA Region VIII confer regularly on the results of the air program implementation.</b>	
		9. Maintain the small business environmental assistance program (SBEAP) to actively assist small businesses to comply with rules of the Board.	a. Educational Assistance is offered to all small businesses affected by adopted NSPS and MACT standards.  <b>STATUS: Assistance provided as needed and online resources available from DAQ Small Business Environmental Assistance Program website.</b>
		b. As appropriate, the Small Business Compliance Advisory Panel's role is modified to increase the effectiveness of the SBEAP.  <b>STATUS: All business sectors are aided. Resources are provided including online compliance assistance calendars</b>	

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EPA Goal and Objective	EPA Measurement	DEQ Goal	DEQ Measure
			<p><b>available to all dry cleaners to help them comply with the NESHAP requirements.</b></p> <p>c. On-site assistance is provided when requested.</p> <p><b>STATUS: Assistance is provided to businesses when needed.</b></p> <p>d. The small business work plan for the Small Business Compliance Advisory Panel is modified as appropriate to better meet assistance needs.</p> <p><b>STATUS: The work plan is modified at each panel meeting.</b></p> <p>e. Assistance tracking is modified as appropriate to better provide and measure assistance needs.</p> <p><b>STATUS: The SBEAP is reviewing assistance provided and reviewing business needs to provide better quality assistance to the regulated community.</b></p>
		<p>10. Continue to implement R307-204, Smoke Management, the Utah Smoke Management Plan (SMP), and MOU to mitigate smoke impacts from managed natural fires and prescribed fire on visibility, public nuisance, and the health-based NAAQS.</p> <p>11. Work with EPA to obtain federal actions on the backlog of State submittals.</p>	<p>a. Necessary burn approval and denial decisions made by the Smoke Program Coordinator and Executive Secretary are coordinated with partner agencies.</p> <p><b>STATUS: UDAQ coordinated all large burn projects by land management agencies, including the Park Service, the Forest Service, the BLM, State Forestry, and the US Fish and Wildlife Service.</b></p> <p>b. The rules and SIP are revised as needed to implement revisions to the FLM burn policies and practices, particularly regarding Use of Wildland Fire issues.</p> <p><b>STATUS: UDAQ gave comments to the FLMs on FLM-proposed revisions to the rules and is waiting for a response from the FLMs.</b></p> <p>a. Appropriate assistance is provided to EPA staff responsible for completing federal action on each submittal to facilitate final EPA action on each.</p>

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EPA Goal and Objective	EPA Measurement	DEQ Goal	DEQ Measure
		12. Implement designated facility plans, NSPS, NESHAPS, MACTs, CTGs and RACT.	<p><b>STATUS: The State and EPA have worked together to implement the 3-year plan to eliminate the backlog, resulting in the elimination of a significant portion of the backlog.</b></p> <p>a. MACT Standards that apply to sources in Utah are adopted through rulemaking and implemented through the Operating Permit process as they are developed and promulgated by EPA.</p> <p><b>STATUS: MACT requirements are included in Title V permits as they are promulgated by EPA.</b></p> <p>b. NSPS standards that apply to sources in Utah are adopted through rulemaking and implemented through the permit process as they are developed and promulgated by EPA.</p> <p><b>STATUS: New and revised MACT and NSPS standards continue to be adopted in Utah and implemented through the permit process.</b></p>
			<p>c. Rules implementing specific source RACT are developed and implemented as appropriate.</p> <p><b>STATUS: New and revised MACT and NSPS standards continue to be adopted in Utah and implemented through the permit process.</b></p> <p>d. RACT determinations included in the Ozone Maintenance Plan and PM10 SIP are reviewed and updated as appropriate. <b>STATUS: The RACT requirements were last reviewed as the 8-Hour Ozone Plan was developed, during which RACT requirements for Hill were clarified, improved, and tied to the federal requirements such as MACT, etc. All other RACT determinations in the ozone plan were reviewed and retained or strengthened. That maintenance plan was submitted to EPA for review and comment, but no federal action has been taken on the plan. RACT requirements in the PM10 SIP were reviewed and updated as part of the PM2.5 SIP development under Subpart IV.</b></p>

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EPA Goal and Objective	EPA Measurement	DEQ Goal	DEQ Measure
			<p>e. UDAQ staff participates in EPA regional meetings and conference calls which will focus on sharing information and building state capacity to identify, characterize and address air toxics risks in Utah communities based on available resources.</p> <p><b>STATUS: DAQ staff have attended conferences and workshops and participated in EPA regional meetings and conference calls to help identify, characterize and address air toxics in Utah communities as funding permits.</b></p>
		13. Continue to submit monitoring data to EPA as required by EPA.	<p>a. Quality assured ambient air pollution data is submitted to AQS no later than 90 days after each calendar quarter.</p> <p><b>STATUS: Quality assured ambient data were submitted to EPA's AQS within 90 days after each quarter.</b></p> <p>b. Data precision and accuracy assessments are submitted to ICIS-Air no later than 90 days after each calendar quarter.</p> <p><b>STATUS: Quality-assured P&amp;A data were submitted within 90 days following each quarter.</b></p>
		14. Respond to questions from the public regarding air quality issues.	<p>c. ICIS-Air is monitored on an ongoing basis for accuracy and completeness consistent with the MDR's as well as the CMS and HPV Policies</p> <p><b>STATUS: The database was monitored continuously for accuracy and completeness.</b></p> <p>d. Data summary reports are printed for regulatory and public use as appropriate.</p> <p><b>STATUS: Data summary reports were prepared and printed for Board, regulatory and public use.</b></p>
			<p>a. Ambient air quality data is provided to the AirNow Program.</p> <p><b>STATUS: Ambient Air quality data was provided to the AirNow program.</b></p>

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EPA Goal and Objective	EPA Measurement	DEQ Goal	DEQ Measure
		<p>15. a) Work with other state / federal / local agencies to reduce diesel emissions in Utah.</p> <p>15.b.) Work with Cache and Wasatch Front Counties to implement motor vehicle inspection and maintenance (I/M) programs that meet requirements in the Utah SIP.</p> <p>15c. Transportation Conformity – assist Cache, Wasatch Front, and Utah County MPOs with their CAA and 40 CFR 93, Subpart A conformity determinations as per the provisions of Section XII of the Utah SIP.</p>	<p>a. Continue implementing the Utah Clean Diesel Program and apply for additional funding through DERA.</p> <p><b>STATUS: On-going. DAQ worked with stakeholders to identify potential projects for the Utah Clean Diesel program. DAQ has successfully acquired funds through DERA for the past several years and will continue to build on the success of the current program.</b></p> <p>b. Continue efforts with Davis, Salt Lake, Utah, and Weber counties to implement their respective I/M programs.</p> <p><b>STATUS: On-going. DAQ continues to provide technical and training support to Bear River Health Dept.'s I/M program. DAQ works with Wasatch Front I/M counties with regulation/ordinance and program updates.</b></p> <p>c. Continue to provide consultation and interagency collaboration to assist the Cache MPO, Wasatch Front Regional Council (WFRC), and the Mountainland Association of Governments (MAG) as they develop conformity determinations for their respective Regional Transportation Plans (RTP) and Transportation Improvement Programs (TIP).</p> <p><b>STATUS: On-going. DAQ worked with WFRC, MAG and CMPO to quantify the impact of the newly released MOVES 2014 model on conformity and transportation projects.</b></p>
		<p>16. Reduce Air Toxics</p>	<p>a. MACT Standards that apply to sources in Utah are adopted through rulemaking and implemented through the Operating Permit process as they are developed and promulgated by EPA.</p> <p><b>STATUS: MACT requirements are included in Title V permits as they are promulgated by EPA.</b></p>

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EPA Goal and Objective	EPA Measurement	DEQ Goal	DEQ Measure
			<p>b. UDAQ staff participates in EPA regional meetings and conference calls which will focus on sharing information and building state capacity to identify, characterize and address air toxics risks in Utah communities based on available resources.</p> <p><b>STATUS: DAQ staff have attend conferences and workshops and participated in EPA regional meetings and conference calls to help identify, characterize and address air toxics in Utah communities as funding permits. DAQ has completed an analysis of current air toxics data in Utah, and is continuing a 1-year air toxics study funded by the state legislature.</b></p>
Reduce exposure to lead-based paint.	Reduce exposure to lead-based paint.	17. Protect public health and the environment through implementation of the Utah Lead-Based Paint Certification, Accreditation and Work Practices Program.	<p>c. The work to conduct community outreach and analysis concerning air toxics issues is completed based on UDAQ needs and available resources.</p> <p><b>STATUS: Community outreach and air toxics analysis was performed based on community needs.</b></p>
			<p>a. The Utah Lead-Based Paint Grant Work Plan approved by EPA Region VIII will be the environmental measure of success for the Utah Lead-Based Paint Certification, Accreditation and Work Practices Program.</p> <p><b>STATUS: The Utah Lead-Based Paint Grant work program was completed and reported in a separate report.</b></p> <p>b. Support the EPA Strategic Plan goal to ensure that the percentage of children with blood lead levels above 5 µg/dl does not rise above the 1.0 percent target for FFY 2015 and work to make further reductions in blood lead levels through 2018. (Baseline is 2.6 percent of children ages 1-5 had elevated blood lead levels (5 µg/dl or greater) in the 2007-2010 sampling period according to the Centers for Disease Control and Prevention's (CDC's) National Health and Nutritional Evaluation Survey (NHANES).</p> <p><b>STATUS: The Utah Lead-Based Paint Program supported</b></p>

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<b>EPA Goal and Objective</b>	<b>EPA Measurement</b>	<b>DEQ Goal</b>	<b>DEQ Measure</b>
			<p>the EPA Strategic Plan goal to eliminate childhood lead poisoning by certifying individuals and firms conducting regulated work activities, performing inspections at structures where regulated abatement work activities were being performed, and performing inspections at renovation firms subject to the Lead-Based Paint Renovation, Repair and Painting rule requirements.</p> <p>c. Support the EPA Strategic Plan goal to reduce the percent difference in the geometric mean blood lead level in low-income children 1-5 years old as compared to the geometric mean for non-low income children 1-5 years old to 10.0 percent by 2018. (Baseline is 28.4 percent difference in the geometric mean blood lead level in low-income children ages 1-5 years old as compared to the geometric mean for non-low income children 1-5 years old in 2007-2010 sampling period according to CDC's NHANES.)</p> <p><b>STATUS:</b> The Utah Lead-Based Paint Program supported the EPA Strategic Plan goal to reduce the childhood geometric mean blood level by certifying individuals and firms conducting regulated work activities, performing inspections at structures where regulated abatement work activities were being performed, and performing inspections at renovation firms subject to the Lead-Based Renovation, Repair and Painting rule requirements.</p>

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## UDEQ DIVISION OF AIR QUALITY

### **EPA's Portion of the PPA**

1. EPA Region VIII will work with other affected EPA offices when appropriate to consider various approaches to addressing specific issues that impact Utah.
2. EPA Region VIII will participate in UDAQ Board Meetings when specific issues regarding the partnership between EPA Region VIII and UDAQ are part of the agenda and travel funds permit.
3. EPA Region VIII will provide training on the newly modernized ICIS-Air national database (previously named AIRS/AFS).

### **Items Related to UDAQ Planning Branch Activities**

1. EPA Region VIII will work with UDAQ as necessary and appropriate when reviewing SIP submittals and initial designation requests as the NAAQS are revised to clarify issues and communicate actions that may affect Utah.
2. EPA Region VIII will work with EPA HQ when appropriate to help elevate issues to the national level that are uniquely western issues.
3. EPA Region VIII will give timely attention to any intermediate work products that are developed in the SIP process so as to provide UDAQ its feedback during project development rather than at the end.
4. EPA will make every effort to determine completeness and to take final action on regulatory actions submitted by Utah in accordance with statutory time frames considering existing resources.
5. EPA Region VIII and UDAQ will work together to prioritize existing SIP submittals and on identifying upcoming SIP revisions. EPA Region VIII will keep UDAQ informed on the status of actions.
6. EPA Region VIII and UDAQ will work together to pursue any feasible early action initiatives for PM<sub>2.5</sub>.
7. Following review of the Federal Annual Air Quality Report, EPA Region VIII and UDAQ will work together to develop appropriate actions addressing each identified NAAQS violation for any criteria pollutant.

### **Items Related to UDAQ Permitting Branch Activities**

1. EPA will provide review and comments as appropriate for the ITAs within the 30-day public comment period.

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## **Items Related to UDAQ MACT Compliance and Enforcement Activities**

EPA Region VIII, Office of Enforcement, Compliance and Environmental Justice and Utah Division of Air Quality will work to keep each other informed of important and potentially controversial activities involving regulated sources in Utah, including activities involving national and regional initiatives. EPA continues to implement PSD/NSR and MACT national initiatives in the refinery, coal-fired power plant, Portland cement, sulfuric and nitric acid and glass industry sectors; Energy Extraction, a national leak detection and repair (LDAR) and flare initiative; and a regional oil and gas industry sector initiative

## FY2015 PPA END OF YEAR REPORT UDEQ DIVISION OF DRINKING WATER

### SOURCE PROTECTION

EPA Goals & Objectives	EPA Strategic Targets	DEQ Goals	DEQ Measure
<p><b>Goal 2:</b> Protecting America's Waters.</p> <p><b>Objective 2.1</b> Protect Human Health <b>Sub objective 2.1.1</b> Water Safe to Drinking</p>	<p>FY 15 National Target = 49%</p> <p>Regional Target = 32%</p>	<p>Report to EPA the number of community water systems with "minimized risk achieved by substantial implementation" of source water protection as determined by Utah approval of community water system source protection plans. Numbers may vary from year to year because of the six year review process but will meet or exceed EPA national and regional targets.</p>	<p>Percent of community water systems where risk to public health is minimized through source water protection.</p> <p><b>Status: 75% achieved.</b></p>
	<p>FY 15 National Target = 59%</p> <p>Regional Target = 32%</p>	<p>Report to EPA the population numbers served by community water systems where "minimized risk is achieved by substantial implementation of source water protection actions, as determined by Utah's approval of community water systems source protection plans. Numbers may vary from year to year because of the six year review process.</p>	<p>Percent of population served by community water systems where risk to public health is minimized through source water protection.</p> <p><b>Status: 72% achieved.</b></p>

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### IMPLEMENTATION AND ENFORCEMENT

EPA Goals & Objectives	EPA Strategic Targets	DEQ Goals	DEQ Measure
<p><u>Strategic Target SDW-211:</u> Percent of the population served by community water systems (CWS) that receive drinking water that meets all applicable health-based drinking water standards through approaches including effective treatment .</p>	<p>FY15 National/-Regional Target = 92%</p>	<p>To meet or exceed the target measure of 92%</p> <p>UDEQ will maintain its data in the national database, SDWIS-Fed. This includes accurate and timely data entry, quality assurance and data validation.</p>	<p>Annual enforcement review reveals improvement in violation timeliness and accuracy.</p> <p>Inventory, violation, and enforcement data are uploaded to SDWIS-Fed within 45 days after the end of each quarter.</p> <p><b>Status: 91% achieved</b></p>
<p><u>Strategic Target SDW-SP1.N11:</u> Percent of CWS that meet all applicable health-based standards, through approaches that include effective treatment and source water protection.</p>	<p>FY15 National/Regional Target = 90%</p>	<p>To meet or exceed the target measure of 80%.</p> <p>UDEQ will maintain its data in the national database, SDWIS-Fed. This includes accurate and timely data entry, quality assurance and data validation.</p>	<p><b>Status: 84.21% achieved</b></p>
<p><u>Strategic Target SDW-SP2:</u> Percent of “person months” (i.e., all persons served by CWS times 12 months) during which CWS provide drinking water that meets all applicable health-based drinking water standards.</p>	<p>FY15 National/Regional Target = 95%</p>	<p>To meet or exceed the target measure of 90%.</p> <p>UDEQ will maintain its data in the national database, SDWIS-Fed. This includes accurate and timely data entry, quality assurance and data validation.</p>	<p><b>Status: 98.79% achieved</b></p>
<p><u>Strategic Target SDW-01a:</u> Percent of CWS that have undergone a sanitary survey within the past three years (five years for outstanding performers or those groundwater systems approved by UDEQ to provide 4-log treatment of viruses.</p>	<p>FY15 National/Regional Target = 75%</p>	<p>To meet or exceed the target measure of 95%.</p> <p>UDEQ will maintain its data in the national database, SDWIS-Fed. This includes accurate and timely data entry, quality assurance and data validation.</p>	<p><b>Status: 93% achieved*</b></p> <p>*The number reflects the removal of systems that were activated during the 3 year period.</p>

## FY2015 PPA END OF YEAR REPORT UDEQ DIVISION OF DRINKING WATER

EPA Goals & Objectives	EPA Strategic Targets	DEQ Goals	DEQ Measure
<p>Goal 5.I Enforcing Environmental Law (Filter/GUI)</p>	<p>UDEQ provides to EPA by 11/15/14: a) a list of all systems that are required to filter under the SWTR, but are not yet filtering. Additionally, report those violations to SDWIS-Fed. For those still on compliance schedules, provide the schedule from the enforcement document. If any systems are not under compliance schedules, for each system provide a rationale and the proposed state action and time frame for securing an enforceable compliance schedule.</p> <p>b) a description of any additional actions and the time frames for completing assessments of groundwater under the influence of surface water (GUI), and the systems for which such assessments need to be completed.</p>	<p>Maintain an accurate list of unfiltered SW/GUI PWSs and a schedule for compliance or/and of actions, with timeframes, required for completion or initial GUI assessments.</p> <p>Provide a report to EPA by 11/15/14.</p> <p>Upload all failure to filter violations to SDWIS.</p>	<p>Accuracy of list of SW/GUI unfiltered systems.</p> <p>Completion of GUI assessments. Report provided to EPA by 11/15/14.</p> <p>All current failure to filter violations uploaded to SDWIS by the end of FY2015 and future violations uploaded when they occur.</p> <p><b>Status: Failure to filter violations are now being entered into SDWIS and are also being tracked in the Division's UDI spreadsheet listing the 18 month due date.</b></p>
<p>Goal 5.1 Enforcing Environmental Law (ETT)</p>	<p>a) UDEQ annotates the quarterly ETT list created by the ERP and returns a complete annotated list to EPA within 30 days of receipt. The annotations include the State actions planned for each identified priority ETT system, the projected time frame for such actions, and other relevant information that helps EPA evaluate candidates for federal enforcement.</p>	<p>Timely annotate the quarterly ETT list for priority systems.</p>	<p>Annotations are complete and timely.</p> <p><b>Status: ETT lists are edited and comments are sent back to Region 8 staff in a timely manner.</b></p>
	<p>b) UDEQ addresses all priority ETT systems through formal enforcement or appropriate return to compliance within</p>	<p>Timely address all priority ETT systems.</p>	<p>Priority ETT systems addressed within 6 months of identification.</p>

## FY2015 PPA END OF YEAR REPORT UDEQ DIVISION OF DRINKING WATER

EPA Goals & Objectives	EPA Strategic Targets	DEQ Goals	DEQ Measure
	<p>6 months of their being identified as priorities, with the goal of taking action before systems reach priority status. EPA will take federal enforcement action, as resources allow, if UDEQ does not plan to timely address a priority water system appearing on an ETT list, if UDEQ does not meet its previous commitments to take an enforcement action, or for cases in which PWSs would have been a priority ETT's system if all violations had been uploaded to SDWIS-Fed.</p> <p>c) EPA encourages UDEQ to update its enforcement escalation policies to ensure that all violations receive a state response, and that enforcement priorities are addressed in a timely and appropriate manner.</p>	<p>UDEQ utilizes its IPS system to assist with addressing violations and determining appropriate formal enforcement. R8 enforcement contact attends the State's quarterly call to discuss enforcement cases.</p>	<p><b>Status: 8 AO's issued in FY15. Division ETT list has dropped from approximately 08 to 30 systems initially and from 15 to 3 systems after review and cleanup.</b></p>
<p>Goal 5.1 Enforcing Environmental Law (SDWIS-Fed)</p>	<p>UDEQ will upload inventory information and all violations, enforcement actions, and applicable return to compliance codes into SDWIS-Fed quarterly.</p>	<p>SDWIS-Fed database is accurate and current.</p>	<p><b>Status: Updated at least once per calendar quarter with all uploads completed before deadlines.</b></p>
<p>Goal 5.1 Enforcing Environmental Law (Oversight)</p>	<p>UDEQ tracks the compliance of systems that are under UDEQ enforcement and escalates enforcement when a PWS violates an existing formal enforcement action.</p> <p>UDEQ will include all violations in Bilateral Compliance Agreements and other formal enforcement actions.</p>	<p>Track compliance of system under UDEQ formal enforcement and take action if a PWS violates its terms.</p> <p>Include all violations in formal enforcement actions.</p> <p>Timely issue violation letters to PWSs for each violation</p>	<p>EPA's review of enforcement actions reveal that all violations are contained in UDEQ formal enforcement actions.</p> <p>File reviews by the EPA or its contractor detect few late or absent violation letters.</p> <p><b>Status: Most VID's are sent in a timely manner. Management is</b></p>

## FY2015 PPA END OF YEAR REPORT UDEQ DIVISION OF DRINKING WATER

EPA Goals & Objectives	EPA Strategic Targets	DEQ Goals	DEQ Measure
	UDEQ will ensure that timely violation letters are sent to PWSs for each violation incurred.	incurred.	<b>working with staff to increase timeliness.</b>
	UDEQ continues to provide access to State PWS files & data for EPA's on-site enforcement review.	Allow EPA access to UDEQ PWS files and data.	Continue to provide data access to EPA for review.
	UDEQ agrees that EPA will use the Uniform Enforcement Oversight System (UEOS) for evaluating the State's enforcement performance.	UEOS evaluation by EPA accepted.	Continue to provide EPA with data necessary to complete the UEOS.  <b>Status: DDW continues to provide approved data.</b>
Goal 5.1 Enforcing Environmental Law (New rules)	Region 8 does not foresee any new rules for which states do not have primacy in FY2015, which may necessitate federal enforcement actions. However, if the situation exists in which a state does not have primary enforcement authority for any rule, UDEQ will cooperate with EPA in identifying water systems and violations for which EPA may need to issue enforcement actions.	If there are violations of any rule that UDEQ does not have primacy for UDEQ will share information regarding these violations with EPA.	<b>Status: n/a this FY</b>

## FY2015 PPA END OF YEAR REPORT UDEQ DIVISION OF DRINKING WATER

### Core Activities 2015

Category	Activity	Responsibility
<i>Philosophy, Culture</i>	Customer Service orientation	All
	Implement DEQ & DDW Operating Principles	All
	Actively seek customer feedback	All
	Maintain good communication with partners and customers	All
	Effective Intersection communication	All
	Effective Interdivision communication	All
	Invite local legislators to DW Board Activities	Division Director
	Division Director will collaborate with DW Board in support of joint goals	Division Director
	Division will actively protect public health through water system compliance	All
	Employee job ownership/job empowerment	All
<i>Staff</i>		
	Ensure staff are technically trained to accomplish mission	All
	Reward and recognize employees for excellent work	All
	Managers have an open door policy (and keep staff issues and conversations private)	All
	Serve on national and state committees	All
	All staff will refer customer questions to the <b>right</b> person (the Division's experts)	All
	All staff will keep In/Out Board current	All
	Ensure cross-training and back-up capability where appropriate	All
<i>IT, Gov e-Business</i>		
	Maintain Division Website	Const. Asst. /All
	SDWIS data reporting	Rules
	Automate water treatment plant report transmission	Rules
	Implement geographic information system (GIS) applications, including support for outside partners and other DEQ Divisions	Admin. Serv.
	Maintain and enhance the divisions databases: SDWIS/SARA/CASPER	Rules/All
	Continue to implement the Department electronic document management system	Admin. Serv./All
	Add and maintain current and accurate data in all of the Divisions databases and all of the contact information including e-mail addresses.	All

## FY2015 PPA END OF YEAR REPORT UDEQ DIVISION OF DRINKING WATER

<b>Category</b>	<b>Activity</b>	<b>Responsibility</b>
	Maintain "Potential construction projects" list on Division webpage	Const. Assist.
	Participate on EPA's SDWIS NEXTGEN project	Director & Rules
<i>Assistance and Training</i>		
	Staff assistance to Drinking Water Board	Division Director/All
	Technical assistance to water operators	All
	General partnering (targeted training, cooperation, follow-up and training)	All
	Educate locally elected officials and their staff	All
	Provide technical assistance on Drinking Water quality problems	All
	Perform Capacity development functions	Const. Assist.
	Provide support for the Permanent Community Impact Board	Const. Assist./ Engineering
	Perform technical assistance to water treatment plants	All
	Perform support to local water treatment alliances	Eva / All
	Support water planning activities in cooperation with other agencies and local government and technical assistance partners, regarding source protection and system viability	All
	Ensure Drinking Water Board members have sufficient training to make policy decisions	All
<i>Field Work</i>		
	Provide training on physical facility capacity and its issues for consultants, district engineers, and others	Const. Assist. / Engineering
	Perform Sanitary Surveys. Respond to water system	All
	Sanitary survey scheduling with consideration for expertise rotation and geographic grouping	Field Services
	Water treatment plant inspections	Const. Asst. / Engineering
	Construction inspections	Const. Assist. / Engineering
	Develop and obtain additional useful spatial data	All
	Special studies on water treatment technologies	Engineering
	Geologic evaluation of sources	Admin. Serv.
	Work on improving communication with ICS members	Field Services
<i>Regulatory</i>	Emergency Response / System Security / Project Funding	Field Services/Const. Assist./ Engineering
	Assist water systems with developing and maintaining Cross Connection Control Programs	Field Services
	Write, Implement and revise rules as needed	All
	Plan review and operating permits	Const. Assist./ Engineering

## FY2015 PPA END OF YEAR REPORT UDEQ DIVISION OF DRINKING WATER

<b>Category</b>	<b>Activity</b>	<b>Responsibility</b>
	Enforcement & compliance by each section on its rules	All
	Enforcement (AOs, BCAs, AG Referrals, Administrative hearings, Administrative Penalties, etc.)	All
	Property follow-up on assignments made at the Division's quarterly CAP meetings	All
	Unified Enforcement Oversight System	Rules
	EPA quarterly reporting	Rules
	Improvement Priority System	All
	Implement appropriate prevention strategies for systems appearing on EPA's ETT List. Document in the Division's enforcement actions in SDWIS.	Rules
	Public Notice	Rules
	Consumer Confidence Reports	Rules
	Report, every three years, on capacity development assistance given to significant non-complying water systems	Const. Assist.
	Quarterly ETT list annotated and back to EPA within 30 days	Rules
	Copy of EPA with enforcement action	Rules
	Monitoring and MCL Compliance tracking and reporting	Rules
	Grout Witnesses	Const. Assist./Engineering
	Surface Water Treatment Rule tracking and reporting (also UDI)	Rules/Field Services/Engineering
	Source Protection program	Admin. Serv.
	Capacity Development review for new systems	Const. Assist.
	Submit Annual Capacity Development Program Report to EPA by September 30 of each year	Engineering
	Submit a copy of the triennial Governor's Report to EPA by September 30 every third year	Engineering
	Assure that sampling and reporting is being done in a professional, timely and truthful manner	Rules
	When EPA proposes a rule, we will study the impact, prepare appropriate comments, and encourage the affected PWSs to comment. Finalize each rule by developing an appropriate State Rule, and implement.	All
	Submit primacy applications or apply for extensions before statutory deadlines, including either adopting or applying for an extension for the Revised Total Coliform Rule prior to February 13, 2015.	Rules
<i>Certification</i>		
	Backflow Technician Certification	Field Services
	Operator Certification	Field Services.
<i>Financial</i>		

**FY2015 PPA END OF YEAR REPORT  
UDEQ DIVISION OF DRINKING WATER**

<b>Category</b>	<b>Activity</b>	<b>Responsibility</b>
<i>Assistance</i>		
	Financial Assistance program	Const. Assist.
	Capacity assessments for financial assistance	Const. Assist.
	Annual rate and every 4 year needs surveys	Const, Assist,
	Capture systems with significant physical deficiencies and water quality issues in the IPS/PP	Const. Assist./Rules
<i>Miscellaneous</i>		
	State Health Laboratory Coordination	Field Services
	All other Labs. Coordination	Rules/Field Services
	Support Services (purchasing, contracting, grants, travel, budget preparation budget/expenditure tracking, and financial reporting, cash receipts, fee schedule).	Const. Assist./Engineering
	Respond to GRAMA requests.	All
	Actively seek financial assistance to enable the Division to pursue its mission	Division Director
<i>Succession/ Planning</i>		
	Keep policies and procedures up to date in E-docs	All
	Promote staff back up for all Division functions	All
	Consider mentoring options for retiring managers/staff	Managers

**FY2015 PPA END OF YEAR REPORT  
UDEQ DIVISION OF ENVIRONMENTAL RESPONSE AND REMEDIATION – CERLCA PROGRAM**

EPA Goal and Objective	EPA Measurement	UDEQ Goal	UDEQ Measure
<p>Goal 3: Cleaning Up Communities and Advancing Sustainable Development</p> <p>Objectives 3.1 and 3.3 Promote Sustainable and Livable Communities; Restore Land</p>	<p>Clean up Contaminated Land</p>	<p>I. Maintain a partnership between Utah and EPA while implementing the Superfund program in Utah.</p>	<p>a. Participate in the Region 8 State Superfund managers conferences, when conducted. <b>STATUS: DERR participated in the Region 8 Superfund managers meeting in Breckenridge, CO (May 2015).</b></p>
			<p>b. Encourage and participate in regular coordination meetings with Region 8 remedial program managers, at least every 2 months, to coordinate activities and discuss pertinent issues. <b>STATUS: DERR and EPA Superfund managers held monthly coordination calls to discuss program and site specific issues.</b></p>
			<p>c. Participate in conference calls between directors of the State and EPA programs, as needed, to coordinate activities and discuss pertinent issues. <b>STATUS: Monthly calls between program directors were not held on a regular basis, but were held as needed.</b></p>
			<p>d. Jointly organize and attend the annual retreat between EPA and the State, when conducted. <b>STATUS: No retreat was conducted during FY 2015.</b></p>
		<p>II. Continue to discover and assess contaminated sites in Utah and discuss potential solutions to the problems that are identified.</p>	<p>a. Continue to gather information on known groundwater solvent contamination problems in the Salt Lake Valley and other areas in Utah and update site files as needed. <b>STATUS: DERR continues to gather and assess information on ground water solvent contamination problems in Utah (many are related to historic dry cleaning operations). DERR and EPA Site Assessment program managers held meetings in Salt Lake City and Denver during FY 2015 and coordinated with each other throughout the year, as necessary, to review the status of such sites. DERR also kept state files up-to-date.</b></p>
		<p>b. Continue discovery efforts for listing new sites on CERCLIS with a focus on the Ogden City area during FY2015.</p>	

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UDEQ DIVISION OF ENVIRONMENTAL RESPONSE AND REMEDIATION – CERLCA PROGRAM**

EPA Goal and Objective	EPA Measurement	UDEQ Goal	UDEQ Measure
			<p><b>STATUS: DERR continued its discovery efforts in Ogden City during FY 2015. Four Ogden sites were placed on CERCLIS by EPA. DERR conducted pre-CERCLIS screening on nine other sites that were not discoverable. EPA and DERR also agreed to have Summerill Foundry in Ogden be a pilot study for a Pre-CERCLIS screening with sampling prior to formal discovery. DERR is in the process of completing the Summerill work plan.</b></p>
		<p>c. Determine the best ways to address the problems that are identified. <b>STATUS: Solutions are identified on a site-by-site basis and in consultation between DERR and EPA Region 8 staff.</b></p>	
		<p>III. Apply the Operating Principles in all work activities.</p>	<p>a. Discuss the Operating Principles frequently during coordination meetings. <b>STATUS: The Operating Principles were addressed during DERR/EPA coordination meetings in the context of project planning and implementation.</b></p>
		<p>b. Ensure all communications are consistent with the Operating Principles. <b>STATUS: DERR regularly conducted communications consistent with the Operating Principles.</b></p>	
		<p>IV. Coordinate proposal of Utah sites to the NPL.</p>	<p>a. Regularly discuss the status of sites that are under consideration for inclusion on the NPL. <b>STATUS: DERR and EPA regularly discussed sites under consideration for NPL inclusion.</b></p>
			<p>b. Evaluate potential NPL sites during coordination meetings. <b>STATUS: Coordination meetings were held, as needed, to evaluate potential NPL-candidate sites.</b></p>
			<p>c. Ensure thorough and comprehensive communication between the agencies for all sites that are under consideration for inclusion on the NPL. <b>STATUS: Communications regarding sites under consideration for the NPL were often thorough and</b></p>

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EPA Goal and Objective	EPA Measurement	UDEQ Goal	UDEQ Measure
			<p><b>comprehensive during FY 2015. DERR, EPA and Salt Lake City communicated frequently on the Sugarhouse Park Plume, 2100 East 2100 South, and Trailside Cleaners sites.</b></p> <p>a. Implement the EPA-approved State and Tribal Response Program Work Plan. Key tasks in the work plan include encouraging communities in Utah to participate in the Brownfields program; conducting Targeted Brownfields Assessments as requested by interested and eligible communities; issuing letters of support to communities applying for Assessment, Revolving Loan Fund, Cleanup or other EPA Grants; providing technical assistance to public and private stakeholders relative to Brownfields redevelopment; and maintaining a complete public record of Brownfields/VCP sites with easy access to information.  <b>STATUS: DERR complied with the EPA-approved State Response Program Workplan. DERR conducted outreach directly to local governments in order to inform them of resources and services available to assist with Brownfields assessment, cleanup and redevelopment. Outreach was completed in part through the semi-annual DERR Brownfields newsletter, individual meetings with several communities (such as Layton City) and a presentation at the League of Cities and Towns annual conference.</b></p> <p><b>DERR completed a Targeted Brownfields Assessment for the Town of Manila. DERR also assisted Salt Lake City and Green River during the preparation of EPA TBA applications for the 2100 South 2100 East plume and Premium Oil sites, respectively. DERR provided technical assistance to public and private stakeholders, such as Sandy City and Provo City and conducted pre-application meetings to inform parties of the Voluntary Cleanup</b></p>
	Assess and Cleanup Brownfields; Clean up Contaminated Land	V. Encourage redevelopment of Superfund and Brownfields sites in Utah.	

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UDEQ DIVISION OF ENVIRONMENTAL RESPONSE AND REMEDIATION – CERLCA PROGRAM**

EPA Goal and Objective	EPA Measurement	UDEQ Goal	UDEQ Measure
			<p><b>Program (VCP) and Enforceable Written Assurance (EWA) process. DERR issued a Support Letter to Salt Lake County for a Community-Wide Assessment grant for the Meadowbrook project area and maintained a complete public record, with project information and data available through the Interactive Map.</b></p> <p>b. Participate in quarterly Region 8 Brownfields Team teleconferences and meetings and attend the National and Western Regional Brownfields Conferences (when conducted and as budgets allow) to gather current Brownfields information. <b>STATUS: The DERR participated in quarterly Region 8 Brownfields team calls. There were no national or regional Brownfields Conferences offered in FY 2015.</b></p> <p>c. Issue Certificates of Completion under the VCP. <b>STATUS: DERR received two VCP applications and issued one Certificate of Completion.</b></p> <p>d. Issue Enforceable Written Assurances to qualified applicants. <b>STATUS: DERR received 15 EWA applications and issued 11 EWAs.</b></p> <p>e. Coordinate with EPA on Ready for Reuse Determinations for Superfund sites. <b>STATUS: DERR coordinated with EPA on redevelopment issues, but no site received a site-wide ready for anticipated use designation in FY 2015.</b></p>
	Cleanup Contaminated Land	VI. Enhance the Utah Superfund Program, improve the State's and EPA's ability to conduct Superfund activities in Utah, and complete the EPA required accomplishments for FY2015.	<p>a. Prepare and submit funding applications and cooperative agreements for enhancement of the State Response Program. <b>STATUS: The DERR continued to receive funding under the Superfund Block Cooperative Agreement for Management Assistance, Superfund Core and Site Assessment Activities. Cooperative agreement applications for State-lead Superfund projects were</b></p>

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UDEQ DIVISION OF ENVIRONMENTAL RESPONSE AND REMEDIATION – CERLCA PROGRAM**

EPA Goal and Objective	EPA Measurement	UDEQ Goal	UDEQ Measure
			<p>submitted, as needed, to support site-specific activities. DERR closed out the State Response Program cooperative agreement (RP-98899302) at the conclusion of the recently completed 5-year period and also submitted a request for new State Response Program funding. Funding was received in September 2015 starting a new cooperative agreement for the program. Required reports were submitted to EPA for cooperative agreement funding.</p> <p>b. Continue to develop and enhance the Utah Voluntary Cleanup Program and other State Response Programs. <b>STATUS: DERR continued to develop and enhance the VCP and other components of its State Response Program using Section 128(a) funding. All activities were consistent with the State Response Program Workplan and documented in semi-annual reports submitted to EPA. Public comment periods were initiated on cleanup plans for projects such as the Ogden Business Exchange, EDO Western Corporation and Chromalox. DERR oversaw cleanup efforts at four sites. In addition, redevelopment was initiated at two sites as a result of DERR Brownfields tools.</b></p> <p>c. Jointly develop and work to achieve the FY2015 planned Superfund remedial accomplishments. <b>STATUS: DERR and EPA Region 8 staff worked closely to achieve the planned accomplishments for the year. One of the significant accomplishments for FY 2015 was the deletion of the Midvale Slag site from the National Priorities List.</b></p>

**FY2015 PPA END OF YEAR REPORT**  
**UDEQ DIVISION OF WASTE MANAGEMENT AND RADIATION CONTROL**  
 (formerly the Division of Solid and Hazardous Waste; merge effective July 1, 2015)

**I. ENVIRONMENT**

Mission- Protect human health and the environment by promoting pollution prevention (P2) and ensuring safe waste management through the proper handling, transportation, recycling, treatment, storage and disposal of solid and hazardous wastes, used oil, and waste tires.

EPA Strategic Goal and Objective		EPA Strategic Measurement	DSHW Goal	DSHW Measure and Status
GOAL 4: Ensuring the Safety of Chemicals and Preventing Pollution.	Objective 4.2: Promote Pollution Prevention.	By 2018, reduce 600 million pounds of hazardous materials cumulatively through pollution prevention.	Waste Minimization – Implement and support waste minimization and pollution prevention.	<p>a. Identify and evaluate supplemental environmental projects that are a part of a compliance action to determine their contribution to waste minimization and pollution prevention. Supplemental environmental projects contributing to waste minimization/pollution prevention will be reported to EPA.</p> <p>i. Conduct on-site visits to SQGs to provide updated information on waste minimization programs and opportunities as well as compliance assistance.</p> <p><b>STATUS: The Division completed 34 LQG, 7 TSDF, 38 SQG, 32 CESQG with EPA ID numbers, and 148 other site visits, complaints, and CAV without EPA ID numbers. Provided information and compliance assistance at each visit.</b></p> <p><b>HAFB had two SEPS (\$130,000 and \$5,700), Clean Harbors Aragonite had two SEPS each \$20,000, and Western Metals Recycling one partial settlement SEP of \$7,600. Total SEPs \$193,300.00.</b></p>
				<p>b. Continue Division pollution prevention policy implementation. Provide pollution prevention information and technical assistance to staff and businesses that generate hazardous waste.</p>

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 (formerly the Division of Solid and Hazardous Waste; merge effective July 1, 2015)

EPA Strategic Goal and Objective		EPA Strategic Measurement	DSHW Goal	DSHW Measure and Status
				<p><b>STATUS: The Division continued its commitment to a high level of activity for Pollution Prevention and Hazardous Waste Minimization, particularly with its programs for recycling waste tires, mercury switches, electronic waste, and used oil. In the areas of Safe Waste Management and Corrective Action, the Division continued to make progress toward national program goals.</b></p>
				<p>c. Continue working with EPA hazardous waste minimization programs to assure that P2 resources are appropriate to meet common goals. EPA and the Division will look for opportunities to publicize how state actions support national goals. Review, comment on, and utilize state hazardous waste generation profiles prepared by EPA to increase waste minimization and P2 efforts and successes and to meet other specific state needs. Identify opportunities to link waste minimization efforts to reductions in EPA's priority chemicals in RCRA waste streams generated within the state.</p> <p><b>STATUS: The Division accompanied EPA on inspections of priority chemicals and national initiatives.</b></p>

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EPA Strategic Goal and Objective	EPA Strategic Measurement	DSHW Goal	DSHW Measure and Status
			<p>d. Administer an effective used oil recycling program.</p> <p>i. Track and evaluate the amount of used oil collected for recycling, particularly used oil collected from Do-it-yourselfers (DIYers).</p> <p><b>STATUS: Over 437,000 gallons of used oil were collected and recycled from January 2014 through December 2014.</b></p> <p>ii. Review and process semiannual DIYer reimbursements within established timeframes.</p> <p><b>STATUS: All reimbursements were processed in the established time frames.</b></p> <p>iii. Support and help to maintain a sufficient number DIYer collection centers to make it convenient for the public to recycle their used oil.</p> <p><b>STATUS: There are 412 used oil collection centers currently operating in Utah.</b></p> <p>iv. Provide current listing of collection centers via the Division Web site.</p> <p><b>STATUS: The web pages for Used Oil are updated on a regular basis.</b></p> <p>v. Document the number of new collection centers established during the fiscal year.</p>

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EPA Strategic Goal and Objective		EPA Strategic Measurement	DSHW Goal	DSHW Measure and Status
				<p><b>STATUS: There were 11 new collection centers established from 10/1/14 to 9/30/15.</b></p> <p>vi. Maintain an effective Used Oil Block Grant Program to promote the recycling of used oil.</p> <p>A. Document the amount of funds awarded.</p> <p><b>STATUS: There were multiple grants awarded totaling \$6,667.50.</b></p>
GOAL 3: Cleaning up Communities and Advancing Sustainable Development	Objective 3.2: Preserve Land. Conserve resources and prevent land contamination by reducing waste generation, increasing recycling, and	Minimize Releases of Hazardous Waste and Petroleum Products	Permits, Closure, and Post-Closure-	<p>a. Maintain accurate information of the hazardous waste universe and status of hazardous waste facilities subject to closure requirements, post-closure permits, and operating permits. Provide the preceding information through automated data systems (RCRAInfo) for all required data elements by the 20th of the month following the activity.</p> <p><b>STATUS: Information is entered as required.</b></p>

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EPA Strategic Goal and Objective	EPA Strategic Measurement	DSHW Goal	DSHW Measure and Status
	ensuring proper management of waste and petroleum products.		<p>b. Provide appropriate hazardous waste closure/post-closure and permit response as dictated by case-by-case specifics, regulatory/statutory requirements, permit conditions, and program priorities. Appropriate responses may include, but are not limited to; closure plan approvals (RCRAInfo data element CL360), closure verifications (CL380), final post-closure permit determinations/issuances (PC200), and final operating permit determinations (OP200). Permit modifications (PC240) are as equally important as the preceding activities because they generally reflect upgrading or updating permit conditions resulting in operational improvements for permitted TSDFs in managing hazardous waste.</p> <p><b>STATUS: The Division completed 18 class 1 permit modifications, 5 class 2 permit modifications, no class 3 permit modification and 3 temporary authorizations. The Division issued 30 emergency permits. The Division completed 38 closure verifications for this year. The Division committed to completing two permit renewals. The permit renewal for Tooele South was completed. The permit renewal for Dugway Proving Grounds is ongoing. The Division issued a RCRA Hazardous Waste Treatment Permit to the Tooele South for the mobile Explosive Destruction System on August 5, 2015. The post-closure permit for the former Pennzoil Refinery was reissued on November 21, 2014 (carry over from FY2014).</b></p>

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EPA Strategic Goal and Objective		EPA Strategic Measurement	DSHW Goal	DSHW Measure and Status
GOAL 3: Cleaning up Communities and Advancing Sustainable Development.	Objective 3.3: Restore Land. Prepare for and respond to accidental or intentional releases of contaminants and clean up and restore polluted sites for reuse.	By 2018, bring into compliance 60 percent of facility response plan (FRP) inspected facilities found to be non-compliant. (Baseline: In FY 2010, 268 FRP facilities were inspected and 121 were found to be non-compliant, an initial compliance rate of 55 percent.)	Corrective Action-	<p>a. Maintain effective hazardous waste corrective action program, including stabilization of environmental releases and cleanup of contaminated waste sites.</p> <p><b>STATUS: The Division maintains an effective hazardous waste corrective action program with a trained staff of scientists and engineers. See attached "Resources and Skill Levels" and "Training" documents.</b></p>
				<p>b. Maintain and update, as necessary, facility-specific corrective action information (universe identification and status) for hazardous waste facilities subject to corrective action, including site assessment, stabilization (accounting for health and environmental risk control measures), and regular corrective action process activities through staff interaction, correspondence and/or automated data systems (RCRAInfo). For RCRAInfo, all required data elements will be entered by the 20th of the month following the activity</p> <p><b>STATUS: Information usually entered as required. The Division has participated in the RCRAInfo Data Quality Initiative and has made or is working on the data fixes noted.</b></p>
				<p>c. Provide appropriate hazardous waste corrective action response as dictated by case-by-case specifics, regulatory/statutory requirements, permit conditions, or program priorities. Emphasis is on high priority facilities. Appropriate measures may include initial assessment of all TSDs in the corrective action universe including</p>

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EPA Strategic Goal and Objective		EPA Strategic Measurement	DSHW Goal	DSHW Measure and Status
				<p>assessment completed (CA050), determination of the need for an RFI (CA070), and CA universe ranking (CA075)), RFI imposed (CA100), RFI approved (CA200), remedy selection (CA400), CMI construction completed (CA550), and corrective action process completed (CA999/RE).</p> <p><b>STATUS: The Division completed 1 CA100, 2 CA 150s, 70 CA 200s, 113 CA400s, 117 CA550s, 42 CA900s and 75 CA999s.</b></p>
				<p>d. Provide appropriate stabilization response as dictated by case-by-case specifics, regulatory/statutory requirements, permit conditions, or program priorities. Emphasis is on high priority facilities. Appropriate measures may include stabilization measures evaluation (CA225), stabilization imposed (CA600), stabilization construction completed (CA650), and stabilization process complete (CA999/ST).</p> <p><b>STATUS: Completed 1 CA600.</b></p>
				<p>e. In coordination with EPA Region 8, continue to evaluate annually and amend, as necessary, the facility-by-facility multi-year plan for corrective action activities</p> <p><b>STATUS: EPA was provided with a 2020 Corrective Action update in October.</b></p>
GOAL 5: Enforcing Environmental Laws.	Objective 5.1 Enforce Environmental Laws.	By 2018, conduct 79,000 federal inspections and evaluations (5-year cumulative).	Compliance and Enforcement- Evaluate compliance status of solid waste, hazardous waste, and used oil handlers	<p>a. Update hazardous waste inspection universe and develop inspection schedule for FY 2015 by September 30, 2014. The selected universe and schedule will incorporate, as appropriate, state, regional, and national</p>

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EPA Strategic Goal and Objective	EPA Strategic Measurement	DSHW Goal	DSHW Measure and Status
<p>Region 8 will continue to support the multimedia Energy Extraction initiative and Regional health care sector initiative. EPA will coordinate with UDEQ prior to commencing any activities related to these initiatives.</p>		<p>and facilities and foster an ongoing commitment to compliance and environmental protection through on-site inspections and compliance assistance activities.</p>	<p>priorities. The selected schedule will also include 20% of the large quantity generator (LQG) universe as determined and agreed to by the Division and EPA using RCRAInfo as of September 1, 2014. The Region will develop its FY2015 Inspection schedule and submit to the Division by October 30, 2014.</p> <p><b>STATUS: Inspection schedule was developed as required.</b></p>
			<p>b. Complete targeted inspections by September 30, 2015.</p> <p><b>STATUS: The Division conducted 34 LQG, 7 TSDF, 38 SQG, 32 CESQG with EPA ID numbers, and 148 other site visits, complaints, and CAV without EPA ID numbers. Both LQG and SQG inspection commitments were exceeded.</b></p>
			<p>c. Participate in joint state and federal industry sectors initiatives.</p> <p><b>STATUS: Division Staff accompanied EPA on inspections identified by federal sector initiatives.</b></p>
			<p>d. Continue implementation of the small quantity generator compliance assistance program in FY 2015.</p> <p><b>STATUS: There were 38 compliance assistance visits conducted.</b></p>
			<p>e. Provide facility specific compliance and enforcement information through the proper and timely entering of program data into automated data systems (RCRAInfo).</p>

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			<p><b>STATUS: The Division issued 15 warning letters 2 NOV's and 4 SCO/CO's. In addition, the Division will collect, \$342,274.00 in penalties with \$193,300.00 of that amount being credited for SEPs.</b></p>
			<p>f. Conduct periodic analysis of effectiveness of evaluation activities. This will consist of staff and/or facility contact and data systems reports to note areas of progress and areas of concern.</p> <p><b>STATUS: Reviews conducted as required.</b></p>
			<p>g. Consider economic factors in determining penalties for violations.</p> <p>i. Use EPA economic computer models to assist in evaluation.</p> <p>ii. Use maximum flexibility when negotiating consent agreements to include consideration of financial viability of regulated party.</p> <p><b>STATUS: Economic factors were considered in determining penalties. EPA models and flexibility were used where appropriate.</b></p>
			<p>h. Continue coordination of EPA Region 8's implementation of the CERCLA Offsite Rule (OSR). A regional implementation policy has been established and will serve as the basis for the Region's implementation of the OSR</p> <p><b>STATUS: The Division coordinated with Region 8 as required.</b></p>

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				<p>i. EPA has identified Financial Assurance through the National Program Management Guidance as a priority for FY2015. Coordinate with the Region on financial assurance as appropriate. Should the Region or Headquarters identify a RCRA entity operating in several states with financial assurance compliance issues, EPA reserves the right to pursue compliance or enforcement activities with the identified operator in accordance with the Utah/EPA Enforcement Agreement.</p> <p><b>STATUS: The Division coordinated with EPA Region 8 and regularly participated in national financial assurance calls.</b></p>
				<p>j. The Region will continue to work with HQ and the State to define the anticipated universe for Mineral Processor and Mining priority inspection.</p> <p><b>STATUS: The Division coordinated with Region 8 as required.</b></p>
				<p>k. Utah will inspect at least 50 % of the active treatment, storage and disposal facilities during FY 2015.</p> <p><b>STATUS: Inspections were completed as required. A total of 7 TSDF inspections were completed out of a total of 14 facilities.</b></p>
GOAL 3: Cleaning up Communities and Advancing Sustainable Development.	Objective 3.2: Preserve Land. Conserve resources and prevent land contamination		Environmental Justice- The Division recognizes that incorporation of environmental justice into the RCRA regulatory program is a priority for EPA	<p>a. Incorporate, as appropriate, environmental justice information in the administration of the hazardous waste program.</p> <p><b>STATUS: The Division considered environmental justice.</b></p>

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EPA Strategic Goal and Objective		EPA Strategic Measurement	DSHW Goal	DSHW Measure and Status
	by reducing waste generation, increasing recycling, and ensuring proper management of waste and petroleum products.		Region 8. Upon request, EPA will provide the Division access to Geographic Information System (GIS) environmental justice tools; provide information to the Division on environmental justice grants; and share information about any available environmental justice resources. The Division may utilize EPA staff and GIS resources, as appropriate, in the implementation of the State hazardous waste program.	
GOAL 3: Cleaning up Communities and Advancing Sustainable Development.	Objective 3.1: Promote Sustainable and Livable Communities. Support sustainable, resilient, and livable communities by working with local, state, tribal, and federal partners to promote smart growth, emergency preparedness and recovery	Promote sustainable communities	State-Based Regulation of Environmental Programs-	1. Develop statutory and regulatory authorities to qualify for continued program authorization.  <b>STATUS: The Division completed the rule-making process and addressed EPA concerns for Addendum 13 and 14. The addendums have been submitted to EPA for approval. The Division is currently working on a rewrite of all of the rules relating to hazardous waste and expects to submit a package to Region 8 during FY2016 that will Addendums 13 and 14 and approval for all checklists except those relating to used oil, the Military Munitions Rule, the Mixed Waste Rule, and the Standardized Permit Rule.</b>
				2. Adopt new hazardous waste, solid waste, and used oil rules promulgated by EPA to maintain regulatory equivalency and program authorization.

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EPA Strategic Goal and Objective		EPA Strategic Measurement	DSHW Goal	DSHW Measure and Status
	planning, Brownfield redevelopment, and the equitable distribution of environmental benefits.			<p><b>STATUS: The Division is preparing Addendum 15 (see statement above) for submittal to EPA Region 8 for review. The addendum will include all federal rules finalized through October 2015.</b></p>
				<p>3. Identify new federal hazardous waste rules promulgated during cluster period ending June 30, 2014 and which require adoption by the Solid and Hazardous Waste Control Board.</p> <p><b>STATUS: See above</b></p>
GOAL 3: Cleaning up Communities and Advancing Sustainable Development.	Objective 3.1: Promote Sustainable and Livable Communities. Support sustainable, resilient, and livable communities by working with local, state, tribal, and federal partners to promote smart growth, emergency preparedness and recovery planning, Brownfield redevelopment, and the	Promote sustainable communities	Partnership with Federal, State, Local and Tribal Governments-	<p>1. The Environmental Services Delivery Plan (ESDP) delineates roles and responsibilities, joint goals and objectives, and establishes accountability between the Division and local health departments and local governments. Effectiveness of the Environmental Service Delivery Plan in developing a state/local partnership, coordinating delivery of services, and obtaining adequate resources will be evaluated. The Division will improve the effectiveness and efficiency of statewide delivery of environmental services by strengthening relationships with all levels of government.</p> <p>a. Work with federal, state, local (including local health departments), and tribal governments and provide information to plan for and manage the environmental impacts of growth.</p> <p><b>STATUS: The Division coordinated with federal, state and local governments as requested.</b></p>

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EPA Strategic Goal and Objective	EPA Strategic Measurement	DSHW Goal	DSHW Measure and Status
	equitable distribution of environmental benefits.		<p>b. Provide technical and non-technical training to local health departments, industry, local governments, or other groups.</p> <p><b>STATUS: The Division provided training as requested. The Division also provided online training for used oil and waste tires.</b></p> <p>c. Focus on teamwork and partnership in identifying and resolving problems.</p> <p><b>STATUS: The Division focused on teamwork and partnership to solve problems.</b></p> <p>d. Address key problems identified by government partners and develop and implement solutions.</p> <p><b>STATUS: The Division worked with its partners to identify problems and develop solutions.</b></p> <p>e. Evaluate effectiveness of the Performance Partnership Agreement in developing a state/federal partnership, coordinating delivery of services, and obtaining adequate resources.</p> <p><b>STATUS: The Division has determined that the current one-year PPA meets both EPA and Division goals.</b></p> <p>1. Identify key hazardous waste management problems and implement a solution in partnership with local health departments,</p>

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EPA Strategic Goal and Objective	EPA Strategic Measurement	DSHW Goal	DSHW Measure and Status
			<p>local government, the Division, and EPA.</p> <p><b>STATUS: Waste management problems and solutions were identified as appropriate.</b></p> <p>2. Maintain positive relationship between the Division and local health departments.</p> <p>a. Notify local health departments of any Division activities occurring in their areas of jurisdiction.</p> <p><b>STATUS: Local health departments were notified as appropriate.</b></p> <p>b. Ensure directors of local health departments, or their designees, are copied on correspondence related to the Division activities associated with their area of jurisdiction.</p> <p><b>STATUS: See response to “a” above.</b></p> <p>a. Meet with each local health department at least annually.</p> <p><b>STATUS: The Division Director attended the annual meeting with local health departments and the Department of Environmental Quality. The Division also participated in a meeting with the Environmental Health Officers.</b></p> <p>3. Inform local governments concerning the Division programs and activities in order to be able to comply with appropriate regulations and plan for future needs.</p> <p>a. Participate, when invited, with local</p>

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EPA Strategic Goal and Objective	EPA Strategic Measurement	DSHW Goal	DSHW Measure and Status
			<p>government organizations, at regular seminars and training meetings, as well as respond to individual requests for information.</p> <p><b>STATUS: The Division participates when invited.</b></p> <p>b. Solicit input from local governments regarding proposed rules which could impact their areas of jurisdiction.</p> <p><b>STATUS: Proposed rules affecting local governments are sent to local governments for review prior to publication.</b></p>
			<p>4. Enhance the State/EPA partnership to ensure the management of a quality hazardous waste program.</p> <p>a. Jointly develop and maintain the MOA, the enforcement agreement, quality assurance plan for environmental data collection, and other operating guidance.</p> <p><b>STATUS: No revisions were necessary.</b></p> <p>b. Jointly plan and prioritize program goals, objectives and activities which address joint priorities. The Division and EPA will work together on PPA development, program activities and priorities, inspection strategies, planning meetings, program reviews, and national assessments of major program elements.</p> <p><b>STATUS: The Division participated with EPA</b></p>

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EPA Strategic Goal and Objective	EPA Strategic Measurement	DSHW Goal	DSHW Measure and Status
			<p><b>in prioritizing and planning program goals, objectives and activities.</b></p> <p>c. Maintain a high level of coordination and cooperation between state and EPA staff to assure successful and effective administration of the program. Coordination includes evaluation of desirable technical support and targets for joint efforts and work sharing.</p> <p><b>STATUS: The Division coordinated with EPA as appropriate.</b></p> <p>d. Maintain frequent and open communication on routine matters, changes in program capability, legislation, and resource levels, emergency situations, and other key activities as described in the MOA. EPA and the Division will hold regular meetings or conduct conference calls, at least quarterly, to share information, identify and solve problems, and engage in short-term planning efforts.</p> <p><b>STATUS: Quarterly conference calls were held as needed with the Region.</b></p> <p>b. Jointly identify state training and technical assistance needs. EPA will make training and technical assistance available to the state and will work towards improving the capability to provide high quality assistance.</p>

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EPA Strategic Goal and Objective		EPA Strategic Measurement	DSHW Goal	DSHW Measure and Status
				<b>STATUS:</b> When requested, the Region provided training as needed. The Department provides the Division with several opportunities a year for staff training.

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FY 2015 Hazardous Waste Program Commitments for STATE		
Event	FY 2015	
	Committed	Achieved
<b>Closure Activities (Unit Level)</b>		
Closure Plan Approval (CL360) for LDUs	0	0
Closure Verification (CL380) for LDUs	0	1
Closure Plan Approval (CL360) for TSUs	0	0
Closure Verification (CL380) for TSUs	27	39
Closure Plan Approval (CL360) for CUs	0	0
Closure Verification (CL380) for CUs	0	0
Closure Plan Approvals Total (LDUs+TSUs+CUs)	0	0
Closure Verifications Total (LDUs+TSUs+CUs)	27	40
<b>Permit Activities at GPRA Universe Facilities (Facility Level)</b>		
Permitted Facilities under Approved Controls	0	0
Permit Renewals due*	2	1
Permit Activities Totals	2	1
<b>Permit Activities for GPRA Universe Facilities (Unit Level)</b>		
Controls in Place for LDUs on Closure Track	0	0
Controls in Place for LDUs on Operating Track	0	0
Controls in Place for TSUs on Operating Track	0	0
Controls in Place for CUs on Operating Track	0	0
<b>Corrective Action Activities at GPRA Universe Facilities (Facility Level)</b>		
RCRA Facility Assessments (CA050)	0	0
Overall Facility NCAPS Ranking (CA075)	0	0
Facility Stabilization Assessment (CA225)	0	0
Facility Remedy Selection (CA400)	0	0
Facility Construction Completion (CA550) (GPRA measure)	0	0
Human Health Exposures Controlled Determination (CA725) (GPRA measure)	0	0
Groundwater Migration Controlled Determination (CA750) (GPRA measure)	0	0
CA Performance Standards Attained/CA Process Terminated (CA900/CA999) (GPRA Measure)	0	0

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<b>Corrective Action Activities at GPRA Universe Facilities (Area Level)</b>		
RFI Imposed (CA100) (area level)	0	1
RFI Approved (CA200) (area level)	13	70
Remedy Selection (CA400) (area level)	1	113
Construction Completion (CA550) (area level)	8	117
Corrective Action Completed (CA999) (area level)	8	73

\*Permit Renewals Due this Strategic Period (FY14-FY18) =

Closure Activities (Unit Level)

Closure Verification ATK Promontory - Buildings M-47 and M-603 (8/20/15)

Closure Verification Big West Oil- Landfarm

Closure Verification Tooele Army Depot South- ATLIC, BLDG 4104, BLDG 541, IGLOO 1634, IGLOO 1635, IGLOO 1636, BLDG 1825, BLDG 1835, BLDG 4536, CONEX, IGLOO M55, IGLOO MUN, BLDG 4107, Mustard Thaw, ACSTNK101, ACSTNK102, AUTOCLAVE, BDS 101, BDS 102, BRA 101-102, BRA 201-202, CHB, CUTTER MACH, DVS 101, DVS 102, DVSSR, IGLOO 1632, IGLOO 1633, MDB, S-2 BLDG, SDST 101-103, TMA, TOCDBRINDRY, TOCDFDUN, TOCDFLIC1, TOCDFLIC2, and TOCDFMRF

Corrective Action Activities (Area Level)

ATK Launch Systems - Bacchus Facility:

CA550 and CA999 for 4 Group 1 SWMUs (SWMUs N-4, N-5, N-6 and N-7) on 9/21/15.

CA200, CA400, CA550 and CA999 for 2 Group 11 SWMUs (SWMUs N-1 and N-8) on 9/21/15.

CA600SR-SWMU BW-12 on 10/17/14.

ATK Launch Systems - Promontory Facility:

CA100 for SWMU 682 on 11/16/14.

CA200, CA400, CA550 and CA999 for 2 SWMUs (SWMU 642- Building M-40 and SWMU 655 - Building M-40) on 12/18/14.

CA200, CA400, CA550 and CA999 for 64 SWMUs (SWMUs 29, 30, 32, 33, 36, 40, 44, 47, 48, 49, 52, 53, 54, 55, 59, 60, 61, 62, 63, 65, 69, 70, 71, 72, 81, 82, 85, 86, 87, 90, 91, 92, 93, 96, 97, 98, 99, 100, 101, 103, 104, 106, 110, 315, 329, 349, 350, 490, 512, 514, 523, 524, 531, 563, 565, 566, 570, 580581, 582, 583, 584, 588, and 641) on 8/19/15.

Dyno Nobel:

CA200, CA400, CA550, CA999 for 2 SWMUs (SWMUs 8 and 9) on 9/30/15.

Tooele Army Depot South:

CA150 for 2 SWMUs (SWMUs 1 and 25) on 8/20/15.

CA400, CA550, and CA900 for SWMU 11 on 2/20/15.

Utah Test and Training Range:

CA400, CA550, and CA900 for 31 SWMUS (SWMUs 2, 4, 9, 14, 15, 17, 20, 21, 24, 27, 30, 33, 34E, 34W, 36E, 36W, 37, 37W, 39N, 39W, 43, 44, 48E, 48N, 48W, 60, 61, 62, 65, 67, and 92) on 10/10/14.

Westinghouse - Western Zirconium:

CA400, CA550, and CA900 for 11 SWMUS (SWMUs 18, 38, 39, 40, 41, 42, 44, 45, 50, 59, and 62) on 12/30/14.

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**Attachment 1 : State Training Program**

In recognition of the high level of experience the Division staff has in the hazardous waste program, each year staff members continue to receive a mix of professional and leadership development training opportunities. During FY 2015, the following list of professional courses and conferences is representative, but not all inclusive, of those attended by the Division staff:

Tom Ball attended: Enforcing Environmental Laws: Pathways, Pitfalls & Planning done by the Western States Project in Feb. 2015, Work of Leaders done by DEQ in Aug. 2015, WMD Rad/Nuc Awareness online training done by the Center for Radiological/Nuclear Training Homeland Security in Sept. 2015, Current Advances & Trends in Containment Technology done by the Fabricated Geo-membrane Institute in Sept. 2015.

Boyd Swenson and Ed Costimiris also attended "Current Advances & Trends in Containment Technology, Sept 2015.

Alex Pashley, Michelle Weis, Jon Parry, and Deborah Ng attended the webinars for proposed rules for pharmaceuticals and HW generators.

Karen Wehking attended the 40 hour HAZWOPER and Lions HW course.

Michelle Weis attended the one day class for DSW Rule in Washington DC.

Staff have attended the ASTSWMO and Western States Projects throughout the year.

All professional staff attended the 8-hour HAZWOPER class.

Deborah Ng, Phil Goble, and Allan Moore attended Work Of Leaders One Day course.  
Deborah Ng attended the EXCEL (2-day course).

Additionally, the Division continues to provide leadership development training to its staff. This program exists in recognition of the need to prepare future leaders in the various environmental programs. Utah DEQ has developed a leadership development program to meet that need. The following types of courses are part of that ongoing effort:

DEQ 101 is a seminar that provides a brief overview of the roles and responsibilities of each office and division within the department.

Getting Work Done With Others – This course focuses on interpersonal communication, presentation, conflict management, problem solving, team building skills, and cultural and diversity awareness.

Adapting to Change – This course focuses on personal learning styles, visioning, assessing potential, implementing change, using creativity, being resilient, handling stress, and empowering others.

Excellence in Supervision – This course is designed to hone people skills, including resource management, leadership, coaching, managing for diversity, and conflict resolution necessary to be an effective leader.

High Conflict Conversations – This course helps participants develop interpersonal communication skills that will help them deal with conflict and difficult communication situations in a constructive manner.

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Leadership Development Course – Participants meet monthly to discuss a variety of topics that are relevant to DEQ. The curriculum is designed to apply many of the competencies related to activities within DEQ. Classes consist of a selected representative from EDO and each of the divisions in DEQ and are mentored by a DEQ senior manager. Participants also complete leadership/employee development classes, independent studies, prepare a brown bag presentation, participate in a rotation through DEQ divisions and offices, and complete a group project. Completion of the program takes two years. New classes begin in January of every year.

**Attachment 2 : Resource Levels and Skill Mix**

For the 2015 state fiscal year (July 1, 2014 to June 30, 2015) the Division expended \$5,190,800 for its solid and hazardous waste programs. The majority of the funding for the hazardous waste program in Utah comes from state funding sources. For state FY 2015, revenues generated by both hazardous and non-hazardous waste disposal fees and hourly billings account for about 84.6% of the FY 2015 Division budget. Program funding from EPA was \$801,375, representing 15.4% of the total program budget. The funding and the FTEs were spread across the primary areas of the Solid and Hazardous Waste Program as follows:

Program Area	\$	% of budget	FTE
P2/Compliance Asst.	\$685,608	13%	6
Safe Waste Mgmt	\$1,265,282	23%	11
Corrective Action	\$1,059,347	19%	10
Inspection, Enforcement	\$1,477,151	27%	13
Administration	\$980,812	18%	8
Total	\$5,190,800	100%	48

The Division operates a mature program with experienced staff. The staff includes engineers (civil, chemical, environmental, mechanical), environmental scientists (geologists, chemists, biologists, geo-hydrologists, hydrologists), risk reviewer, GIS specialist, and PhDs, as well as support staff.

Professional staff has a mix of advanced education with bachelors, masters, and doctoral degrees. Five of the engineers are registered professional engineers and thirty of the geologists are registered professional geologists.

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## UDEQ DIVISION OF WATER QUALITY

### 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.

### **EPA STRATEGIC GOAL 2: PROTECTING AMERICA'S WATERS.**

Protect and restore our waters to ensure that drinking water is safe, and that aquatic ecosystems sustain fish, plants and wildlife, and economic, recreational, and subsistence activities.

### **UPDES PERMITS**

**EPA OBJECTIVE 2.1:** Reduce human exposure to contaminants in drinking water, fish and shellfish, and recreation waters, including source waters.

**EPA OBJECTIVE 2.2:** Protect and Restore Watershed and Aquatic Ecosystems.

Protect the quality of rivers, lakes, streams and wetlands on a watershed basis, and protect urban, coastal, and ocean waters.

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 stormwater management programs as per the following "CORE PROGRAM ACTIVITIES", "COMPLIANCE AND ENFORCEMENT ACTIVITIES" and "PERMIT ACTIVITIES".

### **UPDES PERMITTING AND OUTREACH**

#### 1. Individual Permits

DWQ will report annually the number and percent of facilities that have a discharge requiring an individual permit that:

- a. are covered by a current UPDES permit (FY 2015 EOY Report, Edith)

**STATUS: 125 Individual permits. Note that 27 Biosolids permits are not included herein, as they are combined with their respective Individual Municipal POTW permit.**

- b. have expired individual permits (FY 2015 EOY Report, Edith)

**STATUS: As of 10/1/2015, there were 25 expired permits, which include 6 Biosolids permits that are also expired due to the corresponding POTW discharge permits as combined.**

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- c. have applied for, but have not yet been issued an individual permit (FY 2015 EOY Report, Jeff Studenka or Kim Shelley)

**STATUS: There is one (1) facility that has applied for an individual permit, but not yet received their permit as of 10/1/2015.**

- d. have individual permits under administrative or judicial appeal (FY 2015 EOY Report, Jeff Studenka or Kim Shelley)

**STATUS: There is one (1) facility that is currently under administrative appeal.**

### 2. Priority Permits

- a. Utah will continue to emphasize the development of permits which appear on the EPA Priority Permits list, specifically targeting the permit issuance commitments for the current fiscal year. (Jeff Studenka or Kim Shelley)

**STATUS: Completed and ongoing.**

- b. 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% upon request from EPA. (FY 2015 EOY Report, Jeff Studenka or Kim Shelley)

**STATUS: Based upon our entire permit universe, our number of backlogged permits is significantly less than 30% (~6% as of 9/30/2015).**

### 3. Whole Effluent Toxicity (WET)

- a. Assure proper implementation of WET requirements in UPDES permits.
- b. 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. EPA Region 8 will notify DWQ when the EPA comments received are considered final. (Ongoing Mike Herkimer and Kim Shelley)

**STATUS: For a, completed and ongoing. For b, ongoing.**

### 4. Reasonable Potential Process

Utah will continue to implement the process/procedures for RP consistent with 40 CFR 122.44(d). (Kim Shelley)

**STATUS: Completed and ongoing.**

### 5. Stormwater

- a. Involve regulatory agencies and the public as necessary to effectively permit storm water discharges. The State program is accessible by the public and regulated entities (i.e., contact information and web sites, etc.). (Ongoing, Stormwater Coordinators, Jeff Studenka)
- b. Include EPA in the review process prior to issuing general permits for storm water discharges. (Ongoing, Stormwater Coordinators, Jeff Studenka)
- c. Upon request from EPA, provide a list of storm water sources associated with industrial activity, construction sites over one acre, and a list of designated storm water sources

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(including Municipal Phase I and Phase II) that are covered by a current individual or general UPDES permit or other enforceable mechanism. (Edith or Jeff Studenka)

- d. Continue outreach/education activities for the Phase II Storm Water Program. (Ongoing, all SW staff)

**STATUS: Completed and ongoing for a, b, c and d above.**

### 6. Pretreatment

- a. Provide EPA with the number and percent of local Pretreatment programs that have implemented Pretreatment Streamlining Regulations. (FY 2015 EOY Report Jen)
- b. Provide the number of categorical industrial users (CIUs) in non-approved pretreatment programs (FY 2015 EOY Report, Jen)
- c. Provide the number of CIUs in non-approved pretreatment programs permitted by the State. (FY 2015 EOY Report, Jen)
- d. Identify in ICIS the following Pretreatment Program statistics:
  - i. The number of significant industrial users (SIUs) that discharge to POTWs with approved Pretreatment Programs,
  - ii. 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)
  - iii. The number of categorical industrial users (CIUs) that have adequate control mechanisms implementing applicable pretreatment standards and requirements in approved pretreatment programs. (Jen and Edith)

**STATUS: Item a, there are 21 pretreatment programs, of these, 9 or 43% have implemented streamlining into their legal authority. The remaining 57% are working to incorporate the streamlining requirements into their legal authority. Item b and c: there are two CIUs in non-approved areas, one is permitted by the state and the other is a zero discharger. Item d.i: there are 260 SIUs that discharge to POTWs with approved Pretreatment Programs, d.ii: 260 SIUs or 100%, d.iii: 173 CIUs or 100%.**

### 7. Sewage Sludge (Biosolids)

Promote the beneficial use of biosolids and implement biosolids regulations.

- a. Provide the % and # of UPDES permits that contain biosolids language. (FY 2015 EOY Report)
- b. Maintain data in the ICIS database.
- c. Reissue all biosolids permits which will expire in FY2015 and transition into consolidated permits as needed. (Ongoing)
- d. Submit an End-of-Year report to EPA for the preceding calendar year containing a summary of DWQs actions under their biosolids program. Also include a list of facilities that beneficially reuse biosolids, methods of reuse and the tons reused.

**STATUS: Item a, 100% of the UPDES individual permits for mechanical wastewater treatment plants include biosolids permit requirements (33 permits total). Item b and c, completed and ongoing. Item d, requested report will be transmitted to EPA separately.**

### 8. Concentrated Animal Feeding Operations (CAFOs) (Ongoing Don)

- a. For all permitted CAFOs if available, enter permit facility data, permit event data, and inspection data into ICIS. Provide EPA with copies of all CAFO inspection reports. (Ongoing, Don)

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**STATUS:** CAFO Permit event and inspection data are entered into ICIS. Additional permit facility data will be entered when new NOIs & NMPs are received for the new CAFO permit. Copies of CAFO inspection reports are sent to EPA.

- b. Inform EPA of animal feeding operations that are impacting water quality annually (FY 2015 EOY Report, Don).

**STATUS:** EPA is informed of AFOs that impact water quality through inspection reports and/or enforcement actions.

- c. Conduct and/or participate in meetings of the AFO/CAFO committee and maintain critical partnerships with NRCS, UACD, the Farm Bureau and the agricultural community.

**STATUS:** Three AFO/CAFO committee meetings were conducted in FY15 with partners from UDAF, NRCS, UACD, Utah Farm Bureau, producers, and other representatives from the agriculture community. Several other meetings of smaller workgroups were also held to discuss the draft state rule, nutrient management planning practices and partnership work agreements as necessary and appropriate.

### 9. Utah Sewer Management Program (USMP)

Continue to implement a comprehensive state-wide permit program for the planning, operation and maintenance of all public wastewater sewer collection systems. Utah will report to EPA on the status of program implementation in the FY15 End of Year Report. (Jen Robinson and Kim Shelley)

**STATUS:** Completed and ongoing.

### UPDES ICIS Data

#### 1. ICIS Data Management

Ensure maintenance of information management systems sufficient to plan, track, assess, and make adjustments to program activities.

- a. Properly enter data into the ICIS data system such that the federally required data fields are current. (Ongoing, Edith and Monique)
- b. Provide to the maximum extent practicable the RIDE elements required. This depends on information that is obtainable with the permittee's cooperation and economic restraints. (Ongoing, Edith and Monique)
- c. ICIS data is entered accurately which includes permitting, compliance, and enforcement data. (Ongoing, Edith and Monique)
- d. Continue to report non-major facilities compliance data the same as majors through the ICIS data management system. (Ongoing, Edith and Monique)
- e. Track all inspections in ICIS. (Ongoing: Edith, Lonnie, Mike H.)
- f. Enter additional ICIS data, as listed in other parts of this document.

**STATUS:** For a, b, c, d, e & f above, all are current and ongoing within DWQ.

### UPDES Compliance Evaluations & Inspections

#### 1. Implement the Clean Water Act Action Plan

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DWQ and EPA will work together to implement the Clean Water Act Action Plan to identify water quality issues of greatest concern for the State, and develop collaborative annual work plans to leverage both DWQ and EPA resources to address these issues. This will be accomplished through the Annual State/EPA UPDES Compliance Inspection Plan as approved for each fiscal year. DWQ and EPA will discuss progress toward meeting annual commitments at quarterly meetings.

**STATUS: Completed and ongoing with EPA.**

### 2. Annual State / EPA UPDES Compliance Inspection Plan

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. Consider planning inspections to complement timing and focus on watershed efforts. Inspections will be conducted in accordance with the mutually agreed to Annual State / EPA UPDES Compliance Inspection Plan (Inspection Plan), to the extent possible, incorporate the EPA NPDES Compliance and Monitoring Strategy (July 21, 2014).

- a. The Inspection Plan will include the universe of facilities subject to each CMS metric and number of compliance monitoring activities planned for the year.
- b. If the Inspection Plan commitments do not meet the inspection goals listed in the EPA NPDES Compliance and Monitoring Strategy, the Inspection Plan will include adequate detail for EPA to understand:
  - i. The overall approach proposed, including the rationale for any deviations and tradeoffs;
  - ii. A description of the affected regulated universe(s); and An explanation of how DWQ has determined that the resulting reduced/modified attention at certain facilities will not have negative public health or environmental impacts. In addition, the Inspection Plan should include the details always expected in a CMS plan (e.g., universe of facilities subject to each CMS metric and number of compliance monitoring activities planned for the year).
- c. DWQ will submit a draft Inspection Plan for FY15 by August 1, 2015, and the final Inspection Plan by September 1, 2015 or within 15 of days of receiving EPA's formal comments on the draft Inspection Plan if EPA comments are received later than August 15, 2015. (Lonnie, Mike H.)
- d. EPA may determine the number of inspections conducted at end of year (September 30, 2015) by DWQ in each category above by pulling this information from ICIS. Any inspections performed on or before September 30, 2015, but which do not appear in ICIS by October 31, 2015, will not be counted in the end of year numbers.
- e. EPA Region 8 may conduct up to 4 oversight inspections with DWQ in FY15. Additional inspections EPA Region 8 may conduct are included in the agreed to the Inspection Plan. This includes inspections within EPA national and regional enforcement initiatives.
- f. 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.
- g. During FY15, 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.

**STATUS: Completed and ongoing with EPA for items a thru g above.**

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3. Sanitary Sewer Overflows (SSOs)
  - a. Respond to SSOs when requested by districts, municipalities and local health departments 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.
  - e. Copies of SSO inspection reports will be provided to EPA upon request. (Ongoing Jen)
  - f. In order to gain additional information regarding SSOs, and as an additional task during CEI inspections, DWQ will perform an enhanced inquiry with regard to the SSO history of the facility for the preceding year by utilizing an enhanced set of standard questions as developed cooperatively with EPA Region 8. (Ongoing, Mike Herkimer and Lonnie Shull)

**STATUS: Items a-d are completed and ongoing.**

10. Storm Water
  - a. Continue implementation of MS4 permits which will ensure adequate sediment control inspections at local construction sites. This should increase the number of overall storm water inspections performed in the state. (Ongoing, Rhonda Thiele and Jeanne Riley).
  - b. Encourage DWQ staff, District Engineers and municipal and county staff to assist with inspections as allowed by time and resource constraints. (Ongoing, all SW staff)

**STATUS: Completed and ongoing for a & b above.**

### UPDES ENFORCEMENT

1. QNCR and ANCR

During quarterly conference calls between EPA and DWQ, enforcement discussions will include the Quarterly Noncompliance Report for major facilities, Annual Noncompliance Report for minor facilities, and current and projected enforcement cases to address concerns early in the process.

**STATUS: Completed and ongoing**

2. DWQ Enforcement
  - a. EPA will identify and provide copies, if possible, of any policy or guidance documents used when evaluating the appropriateness of DWQ's enforcement actions. DWQ agrees to evaluate all violations and determine an appropriate response and take that action.
  - b. DWQ will take timely and appropriate enforcement against facilities in Significant Non-compliance.
  - c. DWQ will incorporate approved compliance schedules and deadlines into enforcement actions such that these schedules and deadlines are enforceable under the NOV/Order.
  - d. As State resources allow, DWQ will work with EPA Region 8 to implement the National Wet Weather SNC Policy.
  - e. Utah will take enforcement action for SSOs whenever deemed necessary to protect Waters of the State. SSO enforcement actions will be entered into ICIS NPDES as single event violations.
  - f. Utah may submit an updated draft Enforcement Management System. EPA Region 8 will provide timely comments within 45 days of any submittal.
  - g. DWQ will submit to EPA appropriate enforcement documents (NOVs/Orders, settlement agreements, etc.) upon request. (Ongoing DWQ Staff)

**STATUS: Completed and ongoing for a thru g above.**

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- h. A list of all completed enforcement actions including the name of the facility, type of action, penalty amount (if any), and type of facility shall be provided to the EPA with the EOY Report. The EPA may conduct a penalty review of a select number of actions, not to exceed ten. Upon request, DWQ will provide penalty calculations and all necessary background documentation to EPA for the selected enforcement actions, which will mainly focus in priority areas (e.g. cases in priority areas; MS4s, CAFOs, SSOs, and energy extraction). The EPA will provide written comments on any reviewed settlement documents and penalty calculations as part of the EOY Review. (Ongoing DWQ Staff)

**STATUS: Provided separately via email to EPA on 12/15/2015 in addition to this EOY report.**

### 4. Sanitary Sewer Overflows (SSOs)

Submit to EPA Region 8 a report by October 15, 2014, with information for FY 14 that will include (Jen):

- a. Number of UPDES inspections at major facilities where SSO information was received.
- b. An updated SSO inventory and the causes of the SSOs. (Jen)
- c. The number and percent of SSO inspections in priority watersheds (as defined by the State) including the name of the priority watershed.
- d. The number and type of informal and formal enforcement actions taken in response to SSOs;
- e. The percent of enforcement actions in priority watersheds (as defined by the State) for SSO; and
- f. A description of how 20% of the SSOs, that were reported, were addressed.

**STATUS: ongoing**

### 3. Whole Effluent Toxicity (WET)

Assure proper and consistent enforcement of WET requirements in UPDES permits.

- a. 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 Mike Herkimer)
- b. DWQ will submit as part of their FY2015 EOY report: a list of the facilities which are required to have WET limits or WET monitoring, a list of facilities that have entered into a TIE/TRE during FY15, and a list of any formal enforcement actions which included WET violations, (Mike Herkimer).

**STATUS: For items a and b, completed and ongoing. A list of facilities which are required to have WET limits/monitoring will be sent to EPA under a separate transmittal.**

### 4. EPA Enforcement

- a. DWQ understands that EPA Region 8 will continue to participate in and to initiate regional and national enforcement cases. 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 promptly advise, consult with, and coordinate with DWQ prior to such activity.
- b. Region 8 agrees to coordinate with and appropriately notify DWQ when it conducts any inspections and investigations.

### 5. 404 Enforcement Actions

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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.

### TMDL/WATERSHED

**EPA OBJECTIVE 2.2:** Protect and Restore Watershed and Aquatic Ecosystems.  
Protect the quality of rivers, lakes, streams and wetlands on a watershed basis.

1. Accomplish an effective program for completion and implementation of TMDLs.
  - a. Identify extent of priority areas that are addressed by EPA-approved TMDLs or alternative restoration approaches for impaired waters that will achieve water quality standards. These areas may also include protection approaches for unimpaired waters to maintain water quality standards (**WQ-27**).

Our commitment for FY 2015 is **0%** while we work on developing a prioritization strategy and targets for FY 2016.

**STATUS: Priority waters for WQ-27 have been identified and entered into ATTAINS for tracking and reporting in FY16.**

- b. Identify the State-wide extent of activities leading to completed TMDLs or alternative restoration approaches for impaired waters, or protection approaches for unimpaired waters (**WQ-28**). This is an indicator measure and does not require annual commitments.

**STATUS: Impaired waters identified for alternative approaches to TMDL development have been identified in a draft 303(d) Vision document in addition to protection approaches for unimpaired waters.**

- c. Submit a list of ongoing or planned TMDLs that will be completed in FY15 to EPA on November 1<sup>st</sup> of each year (Carl Adams).

**STATUS: TMDLs to be completed in FY16 have been submitted to EPA via ATTAINS.**

2. Develop a prioritization strategy under the 303(d) Vision that will be used to identify:
  - a. A list of priority waters slated for near term (~2 year) TMDL development or alternative approaches;
  - b. A list of priority waters scheduled for likely TMDL development or alternative or approaches over the 2016 – 2022 period;
  - c. A list of priority waters awaiting management to protect their current condition from degradation during 2016 – 2022 (optional); and
  - d. The strategic rationale of the State in setting these priorities.

Target dates: Draft Prioritization Strategy: January 1, 2015.  
Draft 2022 and FY16 targets for WQ-27: June 1, 2015.  
Final prioritization strategy and WQ-27 targets: September 30, 2015

**STATUS: Utah's prioritization strategy has been drafted and presented in multiple public forums for review and input. The strategy is currently undergoing final internal review and will be finalized by January 1, 2016.**

Participate in calls and meetings with EPA to develop the Program Vision prioritization strategy, efforts to address the other 303(d) Vision goals, and progress in developing FY15 TMDLs and TMDL alternatives. (Ongoing Carl Adams)

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3. Monitor implementation activities for completed TMDLs on a watershed basis through submission of annual reports by local watershed coordinators on August 31 of each year.

**STATUS: TMDL implementation tracking is ongoing by DWQ TMDL coordinators. Information on implementation activities is provided from several sources including 319 funded Local Watershed Coordinators, partner agencies such as the Utah Dept. of Natural Resources, Utah Dept. of Agriculture and Food, and NRCS' EQIP funding.**

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 & Emily Canton)

**STATUS: Contract tracking is ongoing. Responsible staff coordinate on a regular basis to ensure sufficient funding is available to complete required work.**

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 (Watershed Protection Section).

**STATUS: Section Staff are actively implementing the watershed approach throughout the State in support of TMDL implementation and development activities. Focus areas for TMDL implementation in 2015 took place in the Colorado River Watershed Management Unit (WMU). The targeted basin for 2016 is in the Sevier / Cedar / Beaver River WMU. Current focus areas for TMDL development include Nine Mile Creek.**

6. Continue to implement the Nonpoint Source Program based on strong State and local institutional capabilities using the Watershed Approach in support of TMDL development (Jim Bowcutt).
  - a. Conduct a comprehensive NPS program review preceding the update of the NPS Management Plan every five years beginning 2018. The next comprehensive review is due in 2017. (NPS Plan Task 16)
  - b. Update GRTS annually by entering annual progress report information according to December 31<sup>st</sup> deadlines. (NPS Plan Task 14)

**STATUS: This task is ongoing and on schedule. The GRTS entry is being performed by Jim Bowcutt, DWQ's NPS Coordinator.**

- c. Submit NPS Annual Report by January 31 of each year. (NPS Plan Task 15)

**STATUS: This task is ongoing and on schedule. Highlights from The NPS Annual report will be included in DEQ's State of the Environmental Report provided to local and state policy makers.**

- d. Foster program integration and interagency technical and financial assistance through participation on statewide partnership committees including: The Water Quality Task Force, the State Technical Advisory Committee, and the Utah Conservation Commission. (NPS Plan Task 32)

**STATUS: This task is ongoing. Quarterly Task Force meetings were held in 2015, and DWQ representation was present at each State Technical Advisory Committee meeting and Conservation Commission meeting, including several presentations on Utah's NPS and TMDL programs.**

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- e. Obtain 319 project final reports from project sponsors and coordinate with EPA to obtain concurrence for grant closure in a 5 year time frame.

**STATUS: Closure of the FY-09 NPS grant was completed, and the process of closing the FY-10 funds has begun.**

- f. 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), project final reports and NPS Program annual report. **(WQ9)**

**STATUS: This task is ongoing. Information is included in project final reports, in annual project evaluation reports, reported in the GRTS database and summarized in the NPS Program Annual Report.**

- g. Report the number of waterbodies identified (in 2000 or subsequent years) as being primarily nonpoint source (NPS)-impaired that are partially or fully restored. Target for FY-2015 is 1 watershed (Chalk Creek). **(WQ10)**

**STATUS: Success stories has been submitted for Main Creek, Strawberry River, and Spring Creek in Cache Valley.**

- h. Report the number of priority NPS watershed areas where USDA EQIP funds are used to implement conservation projects. Report allocation of EQIP funds to 303(d) waters and approved TMDL watersheds.

**STATUS: These data have been requested from NRCS and will be reported in the 2015 NPS Program Annual Report. In 2015 Water Quality Initiative funding was allocated to the Main Creek / Wallsburg watershed.**

- i. Report the number of priority watershed coordinator positions developed and functioning according to DWQ contract work plans.

**STATUS: Seven local watershed coordinator positions are in place and functioning with contracts with DWQ. The Jordan River and Southeast Colorado coordinator positions are funded as a part time / work share position in cooperation with the local sponsoring agency. The remaining coordinator positions in the Middle/Lower Bear River, Upper Weber River, San Pitch River, Upper Sevier River and Upper Virgin River/Cedar Beaver watersheds are funded as full time positions.**

### GROUND WATER PROTECTION

**EPA OBJECTIVE 2.1:** Reduce human exposure to contaminants in drinking water, fish and shellfish, and recreation waters, including source waters.

1. Maintain an effective 1422 Underground Injection Control Program per agreement with the 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 a 1422 UIC Program, the Regional Administrator of the United States Environmental Protection Agency (USEPA) Region 8 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

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to perform core program activities (40 CFR Parts 144 and 147) to adequately maintain its 1422 UIC Program, even when these activities are not specifically defined by goals, measures, and/or reporting requirements. The 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.

**STATUS: DWQ continues to maintain and implement an adequate UIC Program under Section 1422 of the Safe Drinking Water Act.**

2. The USEPA agrees to provide the following support to the Utah 1422 UIC Program:

a. One annual midyear review of Utah 1422 UIC Program.

**STATUS: EPA conducted the annual midyear review on April 1, 2015.**

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.

3. To protect Underground Sources of Drinking Water (USDWs) from contamination by maintaining and implementing an effective core program, the DWQ 1422 UIC Program agrees to

a. Evaluation of core program effectiveness, reported in the annual narrative program report to the Administrator. (See Table 1 for specific reporting dates – Annual Narratives – Candace Cady).

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. Annual Narratives for details. (Ongoing, Candace Cady)]

**STATUS: Utah continues to identify and close MVWDWs and LLCs. Metrics for this item can be found in the November 4, 2015 submittal to the National UIC Database.**

c. Identify and report the number and percent of Class I injection wells that are used to inject industrial, municipal, or hazardous waste wells that fail mechanical integrity and maximize the number that are returned to compliance within 180 days, thereby reducing the potential to endanger USDWs.

Report:

- Number that lose mechanical integrity.
- Number that lose mechanical integrity that are returned to compliance within 180 days, expressed as numerator over denominator.

**STATUS: There are no Class I injection wells in Utah.**

d. Identify and report the number and percent of Class III injection wells that are used for salt solution mining that lose mechanical integrity and maximize the number that are returned to compliance within 180 days, thereby reducing the potential to endanger USDWs.

Report:

- Number that lose mechanical integrity.
- Number that lose mechanical integrity that are returned to compliance within 180 days, expressed as numerator over denominator.

**STATUS: DWQ continues to monitor and enforce the mechanical integrity requirements for Class III injection wells. Metrics for this item can be found in the November 4, 2015 submittal to the National UIC Database.**

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- e. Identify and report the number of Class V motor vehicle waste disposal (MVWD) wells and large capacity cesspools that are closed or permitted in sensitive ground water protection areas\* and maximize the number that are closed or permitted thereby reducing the potential to endanger underground sources of drinking water.

Report:

- Number of Class V motor vehicle waste disposal (MVWD) wells and large capacity cesspools in sensitive ground water protection areas that have been identified, and the number closed or permitted in FY15 reporting period.

**STATUS: Metrics for this item can be found in the November 4, 2015 submittal to the National UIC Database.**

\* Although Utah has not formally delineated "other sensitive ground water areas" throughout the state as defined by the December 7, 1999 final rule, the 1422 UIC Program will continue to prioritize the identification, reporting, and return-to-compliance of MVWDW and other high priority wells within Source Water Protection Zones and other areas, although not formally delineated, where risk to human health and vulnerability to ground water contamination is recognized.

- f. Ensure Utah UIC Program monitoring activities are performed according to the EPA-approved Utah DWQ Quality Assurance Plan.

**STATUS: DWQ ensures monitoring is performed according to the current EPA-Approved Utah DWQ Quality Assurance Plan. A QAPP for UIC monitoring not covered by the DWQ QAPP is under development.**

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 - Annual Narrative – Candace Cady).

**STATUS: Descriptions of presentations can be viewed at the following web site:**

<http://www.deq.utah.gov/ProgramsServices/programs/water/uic/DrainageWells/Resources.htm>

- 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 Annual Narrative – Candace Cady).

**STATUS: Description of outreach activity can be viewed at the following web site:**

<http://www.deq.utah.gov/ProgramsServices/programs/water/uic/DrainageWells/StormWaterDrainageWells.htm>

5. Electronic Submittal to the National UIC Database

**STATUS: DWQ submitted to the National UIC Database on November 4, 2015**

6. Utah DWQ currently maintains the 1422 UIC Program's geodatabase with ArcGIS Desktop.. All reporting elements previously submitted on the 7520 forms and the online PAM tool will now be submitted semi-annually through electronic submittal of the Utah UIC Geodatabase to the National UIC Database.

**STATUS: Current and ongoing.**

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**Table 1 - UIC Reporting Requirements\***

<u>Due Date</u>	<u>Reporting Cycle</u>	<u>Report Required</u>
May 15	Semi-Annual	Electronic submittal to UIC National Database for First and Second Federal Fiscal Year Quarters (October 1 through March 31)
November 15	Annual	Electronic submittal to UIC National Database for First, Second, Third, and Fourth Federal Fiscal Year Quarters (October 1 through September 30)  Annual Narrative
December 31	Annual	Final Financial Status Report (FSR)

- 7 Continue administration of a comprehensive ground water protection program according to priorities established in Utah Ground Water Protection Strategy and the annual FY15 Division of Water Quality/Goals and Objectives.

**Measures:**

- a. End-of-year report as required by EPA grant on achievement of FY15 DWQ/Ground Water Program Goals and Objectives. (Dan Hall due 9-1-15)
- b. Continue participation in the Ground Water Protection Council National Ground Water Strategy Committee with EPA Headquarters, Regions, and States. The intent is to help EPA develop a national strategy for refocusing EPA and States efforts on ground-water protection. (Ongoing)

**STATUS: Current and ongoing**

**WATER QUALITY MANAGEMENT (STANDARDS AND TECHNICAL SERVICES SECTION)**

**EPA OBJECTIVE 2.1:** Reduce human exposure to contaminants in drinking water, fish and shellfish, and recreation waters, including sources waters.

**EPA OBJECTIVE 2.2:** Protect and Restore Watershed and Aquatic Ecosystems. Protect the quality of rivers, lakes, streams and wetlands on a watershed basis, and protect urban, coastal, and ocean waters.

1. Implement an assessment program for the waters of the State through development and submission of the Integrated Report (IR).

**Measures:**

- a. Submit the 2012/2014 IR to EPA for comment, review and approval of the §303(d) list of impaired waters.
- b. Update the EPA Assessment Database, with modified assessment results from the 2012/2014 IR
- c. For the 2012/2014 IR work with EPA to modify all sources in ADB to “unknown”, so DWQ can populate the “unknown” fields with source information after a TMDL is completed.
- d. Report all statewide findings derived from randomly selected sites, using EPA’s Statistical Survey Web Data Entry Tool.
- e. In collaboration with EPA, develop a plan for modifying analytical assessment methods and reporting for the 2016 IR. In particular, this plan will emphasize: revisions to assessment methods, better integration of the 305(b) report and 303(d) list with the ADB and Statistical Survey Web Data Entry Tool, edits to the text of reports to more effectively convey WQ status

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and concerns to our stakeholders, and changes necessary to accommodate DWQ's tiered monitoring strategy and rotating basin schedule. Document these assessment method changes and submit them for formal public comment.

- f. Develop and implement, to the extent practicable, a more consistent nomenclature and numbering system (i.e. HUC 10 and NHD+) for linking Assessment Units (AUs) with designated uses, water quality standards, and completed TMDLs. Update the ADB with any modifications to AU uses.
  - g. Continue to develop more effective and transparent methods for tracking and documenting assessment analyses and results for the 2016 IR. This includes continuing to develop: methods and tools to clean and format IR data, a database to store IR data, and tools to automate IR analyses.
  - h. Assess all readily available data for the 2016 IR.
  - i. Continue to revise the methodology and analysis tools for Targeted Monitoring.
  - j. Research and develop, to the extent possible, a methodology for assessing high resolution (e.g., long-term time series) data.
2. Maintain Water Quality Standards as the basis for effective water quality management and assessment programs.

### Measures:

- a. Continue to compile a list of potential water quality standards revisions to be included in upcoming triennial reviews, including: nutrient criteria (see Water Quality Management, Section 4) and appropriate modifications to Great Salt Lake standards (see Water Quality Management, Section 3).

**STATUS: The list of potential water quality standards revisions was maintained and modified in 2015. Progress was made on developing numeric criteria for Great Salt Lake including work by DWQ contractors developing methods for bioassays for brine shrimp and brine flies, completion of a laboratory round robin study using high saline water as the matrix, and an interim guidance for UPDES permitting for Great Salt Lake. This guidance describes recommended methodologies for ensuring the uses are protected and discharges comply with Narrative Standards.**

- b. Revise Utah's nutrient (TN and TP) reduction strategy, including a plan for the development and implementation of numeric nutrient criteria.

**STATUS: DWQ is moving forward with the development and application of several nutrient reduction program elements. TN and TP headwater criteria were proposed. A technology-based effluent limit for TP was established in rule. Plans are in development for third party optimization recommendations for TN reductions from Publically Owned Treatment Works (POTWs).**

- c. Continue to meet with Utah's Nutrient Stakeholder Workgroups on outreach efforts in support of Utah's nutrient reduction strategy.

**STATUS: Utah continues work on outreach efforts. Regular meetings occur with industrial and NGO leaders who sit on Utah's Core Nutrient Team. A related Technical Team has completed a review of the technical basis for headwater criteria and ongoing monitoring and assessment efforts. Additional dialogue has occurred with several important stakeholder groups including the League of Cities and Towns and the Utah Manufacturing Association. DWQ has given over 15 public presentations on various aspects of our Nutrient Reduction Program. A website ([www.nutrients.utah.gov](http://www.nutrients.utah.gov)) specific to these water quality programs continues to be updated on a regular basis.**

- d. Promulgate N and P numeric criteria for headwater streams. (WQ-1)
- e. Continue to collaborate with the water quality standards workgroup(s) of stakeholders and partners on continued WQS revisions.

## FY2015 PPA END OF YEAR REPORT UDEQ DIVISION OF WATER QUALITY

**STATUS: The water quality standards workgroup met twice in 2015 to discuss potential revisions to standards.**

- f. Develop and publicize a plan for the adoption and implementation of the EPA recommended methyl mercury criterion.

**STATUS: DWQ collected and analyzed fish tissue mercury concentrations in anticipation of adoption of the methyl mercury criteria**

- g. Initiate mollusk surveys in preparation for adoption of Utah ammonia criteria based on EPA's 2013 ammonia criteria

**STATUS: DWQ put out a joint Request for Proposal with the State of Colorado to do a literature survey of the presence of mollusk in both Utah and Colorado. A contractor was selected and work will commence in 2016.**

- h. Develop standards and associated guidance for the utilization of variances with UPDES and other permitting programs.

- i. **STATUS: DWQ is scheduled to develop a variance policy and guidance by the end of the state fiscal year**

- j. Complete 2014 Triennial Review consistent with priorities identified by EPA.

**STATUS: The 2014 Triennial Review was initiated and completed. Potential revisions to the standards were identified and prioritized during the review. These revisions will be addressed as resources become available in order or priority.**

- k.

3. Development of rules, policies, and procedures to ensure protection of Great Salt Lake and its surrounding wetlands.

### Measures

- a. Revision in response to comments and reissuance of the final Great Salt Lake Water Quality Strategy, Core Components 1 and 2.

**STATUS: The Great Salt Lake Water Quality Strategy was finalized and endorsed by the Water Quality Board**

- b. Develop draft of Great Salt Lake Water Quality Strategy, Core Component 3 on wetlands.

**STATUS: Ongoing**

- c. Ongoing synoptic sampling and data QA/QC reviews.

**STATUS: Samples were collected in each bay as outlined in the Great Salt Lake Baseline Sampling Plan**

- d. Continue numerous efforts to encourage collaboration among DWQs sister State and Federal agencies with related management responsibilities for GSL.

**STATUS: DWQ is an active partner in GSL related activities including regular attendance at the following meetings/conferences: Division of Forestry, Fire and State Lands GSL Technical Team, Division of Wildlife Resources GSL Ecosystem Program Technical Advisory Group, legislative GSL Advisory Council, and the GSL Alliance. In addition, DWQ has actively coordinated and collaborated with governmental agencies for permitting responsibilities.**

- e. Initiate bioassays in support of numeric criteria development for As, Pb, and Cu in GSL.

**STATUS: DWQ contracted with researchers from Notre Dame and North Carolina State Universities to conduct the toxicological testing of brine shrimp and brine flies. In cooperation with an EPA workgroup, 2015 was spent developing the appropriate methods to conduct the acute toxicity tests.**

## FY2015 PPA END OF YEAR REPORT UDEQ DIVISION OF WATER QUALITY

f. Initiate laboratory round robin investigations for analytical methods used to measure metals and nutrients in GSL.

**STATUS: Complete. Five laboratories participated in the GSL laboratory round robin. DWQ worked with the contract laboratory to overcome issues encountered when manufacturing a standard hypersaline matrix for the certified samples.**

g. Continue to collaborate with EPA on the 401 water quality certification for Great Salt Lake Minerals, Continue to collaborate with EPA on the 401 water quality certification for the Union Pacific Railroad Causeway culvert closures and proposed bridge.

**STATUS: The 401 Water Quality Certification was issued to Union Pacific Railroad Causeway Culvert Closure and Proposed Bridge on**

h. Continue to collaborate with EPA on the 401 water quality certification for the Kennecott Expansion.

i. As resources allow, continue to develop and implement monitoring and assessment methods for GSL wetlands, including: analysis of the recently completed 50-site collection effort and development of fringe wetland SOPs.

j. Modify Utah's Water Quality Standards whenever appropriate to accommodate ongoing development of water quality programs for GSL.

4. Development of numeric nutrient criteria and associated implementation procedures (**WQ-1c**).

### Measures:

a. Continue to develop numeric water quality indicators and/or criteria for phosphorous, nitrogen, and ecological response (e.g., metabolism, macroinvertebrates, and algal responses) with clear ties to aquatic life or recreation uses for Utah's waters.

**STATUS: DWQ continues to measure both nutrients and ecological responses and lakes and streams statewide. Revisions to our field methods for benthic algae collections are in revision. A nutrient-specific monitoring and assessment program is in development, which will accompany the package that is submitted to EPA in support of forthcoming TN and TP criteria for headwater streams**

b. Continue to incorporate nutrient-specific monitoring efforts to incorporate, where practical, functional ecosystem responses into Utah's long-term monitoring strategy. Included functional ecosystems responses

c. Propose and promulgate numeric criteria for Utah's headwater streams. Finalize the technical rationale reports that underpin these criteria,

**STATUS: A report that provides the underlying technical basis for headwater criteria has recently been completed and reviewed by a technical workgroup. Utah continues to work with EPA on finalization of this report and a proposal for TN and TP criteria. Formal recommendations are anticipated in early 2015.**

d. Continue to work with a focused stakeholder groups to on the development of nutrient criteria and associated implementation programs.

**STATUS: Utah continues work on outreach efforts. Regular meetings occur with industrial and NGO leaders who sit on Utah's Core Nutrient Team. A related Technical Team has recently completed a review of a document that provides the technical basis for headwater criteria and ongoing monitoring and assessment efforts. Additional dialogue has occurred with several important stakeholder groups including the League of Cities and Towns and Utah Manufacturing Association. DWQ has given over 15 public presentations on various aspects of our Nutrient Reduction Program. A website ([www.nutrients.utah.gov](http://www.nutrients.utah.gov)) specific to these water quality programs continues to be updated on a regular basis.**

## FY2015 PPA END OF YEAR REPORT UDEQ DIVISION OF WATER QUALITY

- e. Develop implementation processes and associated rules (i.e., variance policy, temporary modification) for a comprehensive nutrient reduction program.

**STATUS: Utah is working on several aspects of these rules in concert with an ongoing triennial review of water quality standards. A Technology Based Effluent Limit was recently proposed that limits future TP discharges to 1 mg/l.**

5. Develop and implement a long-term biological assessment program **(WQ-3)**:

### Measures:

- a. Maintain 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. **(WQ5)**

**STATUS: Complete**

- 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 (trend), natural variability (reference), restoration effectiveness, TMDL, 305(b), and 303(d) assessment needs. (May-October, 2015).

**STATUS: Complete**

- c. Digitize both field and biological data and store in a readily accessible database. Physical habitat database will emulate EPA design currently under construction. Create electronic field form linking collected data to database.

**STATUS: Design has been identified (US BLM- WRSA). Current status is integrating UT data collection format into US BLM- WRSA design.**

- d. Develop modeled MMI from diatom data and integrate into existing aquatic life assessments for 2016 IR.

**STATUS: This project is temporarily on hold. UT diatom data are compiled, national metrics have been obtained (although dated), taxa list is mostly current.**

- e. Begin compiling an expanded reference water body (streams and rivers) dataset for 2016 IR. .

- f. Modify TALU RFP into strategic phases and seek funding opportunities for development.

**STATUS: Project currently on hold. RFP has been developed and waiting managerial implementation.**

- g. Continue development of assessment methods that better integrate biological and chemical assessment methods to provide an overall assessment of aquatic life beneficial use support for Utah's streams.

**STATUS: Project continually in progress. Both biological and chemical assessment methods have been updated for the 2014 IR.**

- h. Continue development of outreach materials (i.e., website, fact sheets, reports) to more completely describe Utah's biological assessment program to our stakeholders.

**STATUS: Project continually in progress. Website design and layout has been established.**

### MONITORING AND REPORTING SECTION

**EPA OBJECTIVE 2.1:** Reduce human exposure to contaminants in drinking water, fish and shellfish, and recreation waters, including sources waters.

**EPA OBJECTIVE 2.2:** Protect and Restore Watershed and Aquatic Ecosystems.

# FY2015 PPA END OF YEAR REPORT

## UDEQ DIVISION OF WATER QUALITY

Protect the quality of rivers, lakes, streams and wetlands on a watershed basis, and protect urban, coastal, and ocean waters.

1. Continue phase-in of re-tooled Monitoring Program for Utah Division of Water Quality according to established schedules (WQ-5)
2. Conduct Tier 1 (probabilistic), Tier 2 (targeted) and Tier 3 (programmatic) monitoring on a rotating basin schedule
  - a. Tier 1 Monitoring: Probabilistic
    - Assess biological, chemical and physical integrity of waters of Jordan River/ Utah Lake watersheds utilizing selected core and supplemental indicators (Summer/Fall 2015)

**STATUS: Completed Fall 2015**

- Finalize National Rivers and Streams Assessment (Fall 2014)

**STATUS: Completed**

- b. Tier 2 Monitoring: Targeted
  - Complete intensive targeted monitoring in Bear River Watershed

**STATUS: Completed 9/2015**

- c. Tier 3 Monitoring: Programmatic

1. Continue to implement a statewide mercury in fish tissue monitoring component as part of the long-term monitoring strategy as funding is available. (Ongoing)
  - a. Utilize established workgroup to provide guidance and recommendations for the mercury monitoring program. (Ongoing)
  - b. Participate in the issuing of mercury fish consumption advisories as needed. (Ongoing)
  - c. Participate in triennial review preparations/discussion pertaining to Hg.
2. TMDL monitoring
  - a. Discharge in large rivers (ongoing)
3. Surface Water Compliance
  - a. Increased DMRs
  - b. Continue to Implement QUAL2K model sampling for permit renewal and wasteload development

**STATUS: Ongoing**

4. NPS Effectiveness Monitoring
  - a. Implement pilot study for Long-term monitoring stations to assess effects watershed restoration, long term trends and climate change (Ongoing)
5. E. coli cooperative monitoring
  - a. Continue implementation of monitoring program for E. coli to facilitate more rigorous assessment of recreational beneficial uses (ongoing)

## FY2015 PPA END OF YEAR REPORT UDEQ DIVISION OF WATER QUALITY

3. Fully implement quality assurance system for water quality division including QAPPs, SOPs, annual monitoring plans, and new documentation requirements for continuous monitoring.
  - e. Implement overhauled quality assurance system for water quality division
    1. New documentation requirements for continuous monitoring stations will be developed as part of the scoping and planning of pilot study (Ongoing)
    4. Develop and web post Annual Monitoring Plan to include schedule, site locations, monitoring activities, responsible entities, and special studies for meeting program objectives in the SMP. (Ongoing)
  - b. Training in revised SOPs and QAPPs (ongoing)

4. Complete development and initiate roll-out of data management tools based on WQX, AQWMS, ATTAINS

- a. Data management tool roll-out and deployment within water quality division
  1. AWQMS: Ongoing testing and use by partners. Database populated with up-to-date datasets and system in place for periodic uploads to WQX (ongoing).

**STATUS: Note: with EPA R8 assistance, DWQ will be updating AWQMS and beginning data flows to WQX in Winter 2016**

- b. Training

5. Integrate monitoring strategy elements to full operating levels, including publication of final monitoring strategy and annual monitoring plan for public comment; ongoing maintenance of cooperative monitoring/statewide monitoring council, and monitoring- related website elements

- a. Finalize monitoring strategy and place on website for public comment

**STATUS: Ongoing. Revising SMP in Spring 2016**

- b. Continue promotion, chairmanship and support of the Statewide Monitoring Council to facilitate coordination of monitoring activities and special studies by local state and federal agencies as well as researchers and volunteer monitoring groups and provide the following services to members:
  1. Equipment and supplies
  2. Training
  3. Data management

**STATUS: Ongoing**

- c. Maintain water quality monitoring council website

7. Goal: Participate in design, development and implementation of Great Salt Lake short-, mid- and long-term Monitoring Plan

- a. GSL monitoring plan
  - Collaborate on revision of GSL assessment framework (nutrients, Hg)
  - Probabilistic Survey of fringe wetlands (summer 2015)
  - Conduct selenium monitoring
  - Purchase necessary equipment
  - Plan for and provide additional training

### SPECIAL STUDIES

- Continue to chair the Statewide Mercury Work Group. (FS-1a)

**STATUS: Workgroup Combined with HAB Workgroup**

## FY2015 PPA END OF YEAR REPORT UDEQ DIVISION OF WATER QUALITY

1. Finalize studies on Willard Spur in support of DWQ's effort to develop standards for this unique water body.

**STATUS: The Willard Spur Science Panel met October, 2015 to review and evaluate a series of reports including a hydrologic assessment and external nutrient load food web studies, open water characteristics of the Spur and nutrient uptake based on mecosm studies. Phase I of the Willard Spur project designed to evaluate the potential impacts of the Perry Willard Regional Wastewater Treatment Plan on the Spur is scheduled to be completed by January 31, 2016 after the Steering Committee meeting on January 11**

2. DWQ will begin to develop standards for fringe class wetlands.

**STATUS: Ongoing. Reference wetlands were sampled in 2015 from fish springs, Utah and will be used to develop appropriate metrics.**

### PLANNING AND DOCUMENTATION

- DWQ will update our monitoring strategy.

**STATUS: Spring 2016 DWQ will revisit monitoring needs and revise SMP.**

- DWQ will finalize the 2012/2014 IRs.

**STATUS: Approved by EPA December 2016**

**FY2015 PPA END OF YEAR REPORT  
UDEQ EXECUTIVE DIRECTORS OFFICE**

<b>EPA Goal and Objective EPA Measurement</b>	<b>UDEQ Goal</b>	<b>UDEQ Measure</b>
<p>Supports all Strategic Goals</p> <p>Cross-cutting Strategies: Strengthening Partnerships; Expanding the Conversation on Environmentalism</p>	<p><b>I. ENVIRONMENT</b></p> <p><b>GOAL:</b> Provide an environmental vision for Utah and provide leadership for sustainable environmental quality</p>	
	<p>1. Provide leadership, communicate the expectations, and provide support activities to ensure that divisions and offices work together to resolve problems and address issues.</p>	<p>a. Application of operating principles and strategic thinking b. Mid-year reviews on critical issues</p> <p><b>STATUS: The Director and Deputy communicate regularly with EPA leadership on a variety of issues. In addition, they participated in the Region’s annual meeting with State Directors and hosted the Regional Administrator and key staff members to discuss common interests and concern. DEQ Directors held an annual strategic planning retreat and then held Quality Council meetings to coordinate issues and progress. The Director and Deputy Director met with each Division management team in their respective planning retreats. Each Division also held an annual planning retreat with their respective EPA counterparts.</b></p>
	<p>2. Customers perceive that UDEQ programs are fair and protective of health and the environment</p>	<p>Coordinated focus on environmental implications <b>STATUS: DEQ purposefully engages stakeholder as new policies are developed. In addition, EDO met formally and informally through year with a variety of individuals and group to hear feedback and address concerns.</b></p>
	<p>3. Congressional and legislative goals are accomplished (get resources and laws we need)</p>	<p>a. 2015 Legislative and Budget priorities completed and distributed b. Coordinate with ECOS to ensure EPA budget is targeted to continue to fund core program needs <b>STATUS: DEQ leadership is actively engaged with ECOS and takes the opportunity to comment on proposals, network with EPA and ECOS representatives during conferences, and to share support, issues and concerns.</b></p>

**FY2015 PPA END OF YEAR REPORT  
UDEQ EXECUTIVE DIRECTORS OFFICE**

EPA Goal and Objective EPA Measurement	UDEQ Goal	UDEQ Measure
	4. Targeted environmental programs and processes improved to meet needs of customers while still protecting environmental quality.	<b>STATUS: Ongoing. Progress is regularly evaluated.</b>
Supports all Strategic Goals	<b>III. STATE-BASED REGULATION OF ENVIRONMENTAL PRORAMS</b> <b>GOAL:</b> Administer environmental programs and priorities to reflect the unique conditions of Utah.	
Supports all Strategic Goals  Cross-cutting Strategic Goal: Strengthening Partnerships	<b>IV. PARTNERSHIP WITH FEDERAL, STATE, LOCAL AND TRIBAL GOVERNMENTS</b> <b>GOAL:</b> Improve the effectiveness and efficiency of statewide delivery of environmental services by strengthening relationships with all levels of government.	We provide leadership in ECOS and we work to strengthen the EPA/LHD working relationship.
	1. Advocate EPA-UDEQ-LHD partnership to address community issues. Local Health Departments/UDEQ Partnership Council. 2. Identify policy issues and work for solution. 3. Attend Local Health Officer and Environmental Health Administrators meetings to discuss UDEQ issues. Continue the Service Delivery Plan. 4. Promote understanding and actions which recognize the importance of implementing workable environmental programs at local level through local government.	a. Identification of priorities/problem solving (track actions). b. Local Health Departments/UDEQ Partnership Council meets on an as needed basis. c. Delivery plans are revised and used as the workplan for the UDEQ/LHD contracts. d. Priorities are identified by community-based partnerships  <b>STATUS: DEQ actively engages local health leadership. EDO meets regularly with Health Officers and Environmental Directors to discuss issues of common concern. An annual Partnership Meeting was held in January. The Workplans were updated and contracts issued in June.</b>
Cross-cutting Strategies: Expanding the Conversation on Environmentalism; Strengthening Partnerships	<b>VI. ENHANCE POLICYMAKERS' UNDERSTANDING OF ENVIROMENTAL ISSUES</b> <b>GOAL:</b> Facilitate policymakers as proactive participants in shaping environmental policy	

**FY2015 PPA END OF YEAR REPORT  
UDEQ EXECUTIVE DIRECTORS OFFICE**

<b>EPA Goal and Objective EPA Measurement</b>	<b>UDEQ Goal</b>	<b>UDEQ Measure</b>
	<p>1. Support efforts to apprise Governor's office, Legislators, elected officials, and Board members of important environmental policy issues.</p>	<p>a. Governor, Legislators, Elected Officials, and Board Members are apprised of important environmental policy issues.            b. Relationships with policymakers are developed and understanding of environmental issues enhanced.            c. Policy makers work with UDEQ in development and implementation of environmental policy issues.            d. Policy makers' trust in UDEQ is developed and enhanced.</p> <p><b>STATUS: The Executive Director meets regularly with the Governor's Office. Legislative Committee members and other key legislators are kept informed of critical policy issues. The Executive Director and/or the Deputy Director attends all Board meetings. Other elected officials are sought out and briefed and counseled with when issues directly impact them.</b></p>

**FY2016 PPA END OF YEAR REPORT  
DEQ OFFICE OF SUPPORT SERVICES**

<b>EPA Goal and Objective EPA Measure</b>	<b>UDEQ Goal</b>	<b>UDEQ Measure</b>
Cross-cutting Strategy: Expanding the Conversation on Environmentalism	<b>I. ENVIRONMENT</b> <b>GOAL:</b> Partner with the Department and Divisions in planning and policy initiatives  1. Provide planning support for UDEQ initiatives and, on request, to statewide initiatives.	a. Process for completion of FY2015 PPA is successfully coordinated and final document is submitted to EPA. b. Process for completion of End-of-Year Report for FY 2014 PPA is coordinated with Divisions and is submitted to EPA. <b>STATUS: Both were completed and submitted by deadline.</b>
Supports all Strategic Goals	<b>II. CUSTOMER SERVICE</b> <b>GOAL:</b> Operate as a customer-oriented agency by focusing on customer service, trust, and problem-solving through teamwork and partnership.  <u><b>Auditor</b></u> 1. Conduct audits of all major waste disposal fee facilities each year. 2. Perform internal audits as assigned by the Audit Committee. 3. Provide financial assurance assistance to Divisions 4. Monitor monthly waste fee payments. 5. Perform an annual review of the DEQ hourly fee for reasonableness.  <u><b>Other Services</b></u> Coordinate all GRAMA requests received and ensure each is answered in the allotted 10-day period of time.	<b>STATUS: Goals are accomplished</b>
Supports all Strategic Goals	<b>III. STATE-BASED REGULATION OF ENVIRONMENTAL PROGRAMS</b> <b>GOAL:</b> Take an active role to help influence and develop rules and programs that are consistent with and help Utah achieve its needs.  <u><b>OSS</b></u> Continue to provide the financial application for the Performance Partnership Grant.	Complete the PPG grant and all necessary amendments and changes within prescribed due dates. <b>STATUS: Accomplished.</b>

**FY2016 PPA END OF YEAR REPORT  
DEQ OFFICE OF SUPPORT SERVICES**

<b>EPA Goal and Objective EPA Measure</b>	<b>UDEQ Goal</b>	<b>UDEQ Measure</b>
Cross-cutting Strategy: Strengthening Partnerships	<p><b>IV. PARTNERSHIP WITH FEDERAL, STATE, LOCAL AND TRIBAL GOVERNMENTS</b></p> <p><b>GOAL:</b> Assist with ensuring effective delivery of environmental services through intergovernmental collaboration.</p> <p><b><u>Local Health Liaison</u></b></p> <p>1. Facilitate strong relationship between UDEQ and the Local Health Departments.</p>	<p>a. Participation in CLEHA, Local Health Officers' Association, Local Boards of Health, and UEHA meetings.</p> <p>b. Process for the one-year contracts is successfully coordinated and completed.</p> <p>d. Partnership meetings are effective and issues raised are tracked and resolved.</p> <p><b>STATUS: We actively participated in local health meetings. The contracts were coordinated and successfully completed. The annual Partnership meeting was held and follow-up items addressed.</b></p>
Supports all Strategic Goals	<p><b>V. EMPLOYEES</b></p> <p><b>GOAL:</b> Fully utilize our major resource.</p> <p><b><u>Leadership Training</u></b></p> <p>Support UDEQ leadership development initiative.</p>	<p>1. Regular leadership-training classes are held.</p> <p>2. Follow-up activities in sections and branches are facilitated, as requested</p> <p>3. Individual employees are coached, as requested.</p> <p><b>STATUS: Leadership classes offered included Technical Writing Bush-up, Ethics, Performance Management, all levels of Excel, Effective Presentations, The Political Process, and Project Management. All workshops were well attended. Several specialized trainings were held for DEQ sections, and individual employees have the opportunity to be coached and a number took that opportunity.</b></p>

**FY2016 PPA END OF YEAR REPORT  
DEQ OFFICE OF PLANNING AND PUBLIC AFFAIRS  
POLLUTION PREVENTION AND STAKEHOLDER INVOLVEMENT**

EPA Goal and Objective	EPA Measurement	UDEQ Goal	UDEQ Measure
Cross-cutting Strategy: Expanding the Conversation on Environmentalism		<b>ENVIRONMENT</b>	
		<b>GOAL #1:</b> Partner with the Department and Divisions in planning and policy initiatives.  1. Provide public affairs support for UDEQ initiatives and, on request, to statewide initiatives.	As opportunities arise, UDEQ is represented in meetings and information is coordinated through appropriate Department channels. a. Assistance is provided in developing strategies to identify issues and encourage stakeholder participation. Informational and outreach support is provided. <b>STATUS: PPA and End of Year Reports were coordinated with EPA and submitted. Local Health Department contracts were coordinated and signed.</b>
Goal 4.2 Promote Pollution Prevention	Prevent Pollution and Promote Environmental Stewardship	<b>GOAL #2:</b> Facilitate integration of Pollution Prevention initiatives in UDEQ and throughout the State.  <b>Pollution Prevention Objectives:</b>  1. Improve environmental performance through adoption of sustainable practices that can be encouraged through the use of Environmental Management Systems (EMS), showcased through Clean Utah and the P2 Association, and shared with others on UDEQ websites.	a. Number of new Clean Utah participants including the new bronze track, and advancements to Partner or Leader level. <b>Status: Growth in Clean Utah has been stagnant. Successful programs in other states have been evaluated. Proposal to DEQ Leadership Council for the program to be modified with a Leadership Council of Member Businesses and an additional networking/promotional meeting added. Recommended modifications were modeled after the Colorado Environmental Leadership Program.</b> b. Number of EMS audits completed. <b>STATUS: 4 EMS Audits completed.</b> c. Pollution reductions realized through these efforts in business, industry, or other UDEQ regulated entity. <b>STATUS: Clean Utah Partner Annual Reports included: Reduced MTCO<sub>2e</sub> with 2,542 MTCO<sub>2e</sub> coming from electrical saving listed below calculated using 1.193 lbs CO<sub>2</sub> per kWh; reduced 33.3 metric tons of NO<sub>x</sub>; prevented 22,700 lbs of hazardous waste; reduced 53,190 lbs of hazardous chemicals from use in production; 197,000 gallons of diesel fuel saved; recycled 2886 metric tons of solid waste; saved 6,053,860 gallons water; reduced 4,271,724 kWh in electricity use; and Partners reported an Economic Benefit of \$1,601,458 from programs implemented through Clean Utah.</b>

**FY2016 PPA END OF YEAR REPORT  
DEQ OFFICE OF PLANNING AND PUBLIC AFFAIRS  
POLLUTION PREVENTION AND STAKEHOLDER INVOLVEMENT**

EPA Goal and Objective	EPA Measurement	UDEQ Goal	UDEQ Measure
		<p>2. Improve environmental awareness through partnerships with the P2 program and other groups/agencies with similar goals and priorities.</p>	<p>a. Number of new and ongoing partnerships.  <b>STATUS: New and ongoing partnerships included:</b>  <b>New Partnerships: for Logan City Water, Jordan River Water Conservancy District, Mountainlands Association of Governments, Spanish Fork Public Works, and North Salt Lake Public Works.</b>  <b>Existing Partnerships: Mountain Regional Water Special Services District, Riverton City Water, Logan City Water, Rural Water Association of Utah, VA Salt Lake City Hospital, Momentum Recycling, and Northrop Grumman Corporation, Bill Barrett, Crescent Point Energy, Questar, Newfield, QEP, Thunderbird, Holly Frontier Refinery, Big West Oil Refinery, Salt Lake Chamber, StopWaste Organization, North Front Business Resource Center, Reusable Packaging Association, UDOT's TravelWise, 3form Materials Solutions, Specialty Lens and Horizon Milling, Utah Food Services, Cabinetry by Carmen, Davis Chamber of Commerce, Davis Applied Technology College, Ogden/Weber Chamber of Commerce, National Energy Foundation, Manufacturing Extension Partnership of Utah, Rocky Mountain Power, Clean Cities, Salt Lake City, Salt Lake County, Economic Development Corporation of Utah, Envision Utah, Utah Manufacturers Assn., Intermountain Health Care, University of Utah, Utah Office of Energy, Kennecott Land, Kennecott Utah Copper Operational Services, IM Flash Technologies, Big D Construction, Staker Parson Companies, Swire Coca-cola, Nucor Steel, National Energy Foundation, Utah Chapter of AWWA, Xanterra-Zion Lodge, Utah Transit Authority, Autoliv, Hexcel Corporation, Firestone Building Products, Circle Four Farms, Granite Construction, Red Hanger Cleaners, Weber State University, May Foundry, Tear-a-Part, USANA, Utah Metal</b></p> <p>b. Number of participants in Utah P2 sponsored conferences and workshops.  <b>STATUS: Intermountain Sustainability Summit, 380 participants at one P2 sponsored event and 125 at workshops the following day.</b></p>

**FY2016 PPA END OF YEAR REPORT  
DEQ OFFICE OF PLANNING AND PUBLIC AFFAIRS  
POLLUTION PREVENTION AND STAKEHOLDER INVOLVEMENT**

EPA Goal and Objective	EPA Measurement	UDEQ Goal	UDEQ Measure
			<p>c. Effectiveness of the workshops, measured by evaluation forms. d. Number of P2 award nominations received for annual P2 award recognition program. <b>STATUS: The Pollution Prevention (P2) Association was dissolved in May 2015. Annual Awards will no longer be sponsored by the P2 Association but awards for Pollution Prevention will be considered in conjunction with the Annual Clean Utah Banquet as part of recognition for Businesses not officially in the Clean Utah Program.</b></p>
		<p>3. Encourage Pollution Prevention to Utah businesses through promotion of energy efficiency with case studies and sector-specific Best Management Practices.</p>	<p>a. Amount and type of business assistance provided to community water systems statewide. b. Number and type of sector-specific BMPs printed and distributed. <b>STATUS: Developed case studies for Logan City Water, Mt. Regional Water Special Service District, Riverton City Water, and Jordan River Water Conservancy District. Outreach to 20 water utilities. Presentations at Water &amp; Energy Nexus Summit in January; approximately 200 individuals, including water utility staff in attendance. Collaborated with Mountainlands Association of Governments to present to water system staff in Summit, Utah, and Wasatch counties. Jordan Valley WCD, Spanish Fork, and North Salt Lake have submitted preliminary energy audit reports. Five other water systems are gathering information in preparation for a formal energy audit. Two new Environmental Best Management Practices (BMP) guides were added to the BizHelp Webpage, one for Industrial &amp; Municipal Sites and one for Automotive Salvage Yards. In addition, DEQ's Industrial, MS4, and Construction Storm Water Webpages were revised to focus on BMP resources, including the BMP guides. In addition, a template, worksheet and monitoring guidance document was developed to help Industrial Storm Water sources develop and implement Storm Water Pollution Prevention Plans (SWPPP). The new SWPPP resources are available on DWQ's Industrial Storm Water Webpage. Also, a new general DEQ Pollution Prevention Webpage was developed and linked to the BizHelp Webpage.</b></p>

**FY2016 PPA END OF YEAR REPORT  
DEQ OFFICE OF PLANNING AND PUBLIC AFFAIRS  
POLLUTION PREVENTION AND STAKEHOLDER INVOLVEMENT**

EPA Goal and Objective	EPA Measurement	UDEQ Goal	UDEQ Measure
		4. Track P2 grant spending and complete midyear and annual grant objectives	<p><b>STATUS: Grant objectives met.</b></p> <p><b>STATUS: State budget review and planning completed.</b> c. Positive feedback received from EPA and State grant/finance offices.</p> <p><b>STATUS: Grant proposal and annual reports submitted on time meeting the objectives of this grant.</b></p>
		5. Support the Governor’s Utah Clean Air Partnership (UCAIR) initiative by providing resources to implement strategies and providing calculators to measure emission reductions..	a. Assistance provided <b>STATUS: U-CAIR is operating as 501c3 with P2 staff taking a collaborative role only.</b>
		<b>GOAL #3:</b> Promote a sustainable relationship between economic development and environmental protection by coordinating work with businesses and related organizations.	
		<p><b>Business Assistance Objectives:</b></p> <p>1. Facilitate UDEQ cross-media business assistance.</p>	<p>a. Businesses making phone or e-mail contact to PPA receive informational assistance. <b>STATUS: Responded to requests for information and assistance through phone calls and email.</b></p> <p>b. Pre-design meetings are held. <b>STATUS: Conducted eight Pre-design Meetings of those four were full Pre-design meetings with two involving multiple state agencies. One of the Pre-designs was held for Summit County and was associated with a resource conservation plan. Four smaller partial meetings for business not needing a full Pre-design were conducted as well.</b></p> <p>c. Cross-divisional, sector specific focus in outreach activities developed and implemented, as appropriate. <b>STATUS: Ongoing as opportunities and issues arise.</b></p> <p>d. Business assistance Web pages are regularly updated. <b>STATUS: Ongoing.</b></p> <p>e. Opportunities are taken to encourage consistent business assistance policies within UDEQ. <b>STATUS: Ongoing.</b></p> <p>f. Regular coordination with GOED, EDCU, business assistance providers, Chambers of Commerce, and professional associations. <b>STATUS: Routinely coordinates with the Governor’s Office</b></p>

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EPA Goal and Objective	EPA Measurement	UDEQ Goal	UDEQ Measure
		<p>2. Serve as Small Business Ombudsman for UDEQ.</p>	<p>of Economic Development, Economic Development Corp of Utah, Utah Manufacturers Association, Chambers of Commerce and numerous other organization in providing resources and assistance. Participates monthly with EDCU Business Development on issue associated with DEQ and impacting new business development. GOED is notified of upcoming Pre-design meetings and invited to attend.</p> <p>a. Air Quality Small Business Compliance Panel remains active and quarterly meetings are held. <b>STATUS: Small Business CAP remains active with quarterly meetings and additional email and phone updates. CAP members are invited to participate in air quality planning initiatives.</b></p> <p>b. Availability of ombudsman is promoted on website and as part of informational presentations, as appropriate. <b>STATUS: Information and contacts are provided on appropriate webpages.</b></p> <p>c. Issues brought to ombudsman are appropriately handled. <b>STATUS: Ongoing as requested.</b></p> <p>d. Opportunities are taken to encourage small business considerations in UDEQ policy development. <b>STATUS: Tools and resources focused on small business needs. Small businesses are included in air quality planning initiatives to help understand their issues and work with them to design tailored solutions.</b></p> <p>e. Small businesses receive assistance with UDEQ permitting process and other programs as needed. <b>STATUS: Ongoing through Pre-design and website and with an online tool, "Permit Wizard" on the DEQ website.</b></p> <p>f. Annual EPA Small Business Assistance Program report is completed. <b>STATUS: Annual 507 Report was completed and submitted on time.</b></p>
Cross-cutting Strategy: Expanding the Conversation on Environmentalism	<p><b>CUSTOMER SERVICE</b></p> <p><b>GOAL #4:</b> Provide public information and participation opportunities.</p>		

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		<p><b>Public Education Objectives:</b> Design and implement issue-specific campaigns to inform and involve the public.</p> <p><b>Stakeholder Involvement Objectives:</b> As needed, prepare and implement public involvement plans for specific projects and programs.</p>	<p>a. Proactively employ tradition and social medial to inform public of issues and programs. b. Employ DEQ's website as a databank of detailed, project-specific information. <b>STATUS: Facebook, Twitter, YouTube and Pinterest are frequently utilized to promote DEQ initiatives and programs. DEQ Blog kicked off April 8, 2014, and addresses environmental issues in the news with weekly posts contributed from DEQ Staff.</b></p> <p>a. Plans are developed and implemented in conjunction with program or project manager. b. Evaluation of the plan, including stakeholder feedback, is conducted during and at the conclusion of the project to gauge success. <b>STATUS: Ongoing. DEQ enlisting stakeholder businesses and partners as well as employees in a Branding Survey to evaluate how DEQ is perceived internally and externally and look at opportunities for improvement.</b></p>
Cross-cutting Strategy: Working for Environmental Justice and Children's Health		2. Ensure Environmental Justice (EJ) issues are incorporated into community involvement plans.	Assistance is provided to the Divisions, as needed, on EJ questions. <b>STATUS: EJ Issues are resolved as needed and in coordination with the EPA when they arise.</b>
Cross-cutting Strategy: Expanding the Conversation on Environmentalism		<p><b>Media Relations Objective:</b> 1. Assist PIO with UDEQ media relations. 2. Utilize UDEQ's Web site to proactively highlight issues and keep it current and relevant.</p>	<p>a. PIO back-up is provided. b. UDEQ media policy is followed. <b>STATUS: Ongoing. OPPA works with webmaster and Divisions to create and update online and hard copy information and outreach materials. OPPA also coordinates with Local Health Departments by attending quarterly PIO meetings.</b></p>
		<p><b>Branding Objective:</b> Define and establish DEQ's brand to help the public better engage with DEQ.</p>	<p>a. Conduct baseline research b. Create the visual impression of DEQ's brand <b>STATUS: On November 18, the Utah Department of Environmental Quality (DEQ) announced the development of a new branding strategy and modernized logo as a part of the agency's effort to address misconceptions regarding the agency's purpose, and to promote public awareness of its mission and work. Following extensive research across the state to gain stakeholder feedback through surveys and</b></p>

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			focus groups, the DEQ launched its new visual concept. The new visual for the brand includes a logo, type, and color palette. All of these elements can be viewed on the Utah DEQ website.

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EPA Goal and Objective	EPA Measurement	DEQ Goal	DEQ Measure
Goal 1: Improve Air Quality	Reduce Exposure to Indoor Air Pollution	Continue the fundamental activities regarding the EPA Radon Grant.	<b>1. Promote new home construction with radon resistant technology.</b>
			<p>a. Promote and distribute information about radon resistant building technology to builders throughout the state. Display radon information and distribute discounted test kit coupons at the following exhibitor booths: 2014 Fall Home Show at the South Towne Convention Center and the 2014 Spring Home Builders Annual Conference.</p> <p><b>STATUS – Accomplished: Educated builders and the public about Radon Resistant New Construction and what radon is and how to test for it at the following events: (1) University of Utah Be Healthy Fair – 14,000 attendees, (2) Huntsman Cancer Expo Fair, (3) The Home Show – 35,000 attendees, (4) Utah County Home Show – 12,000 attendees, (5) Taught one class at Weber State University and 3 classes at the University of Utah (6) Taught 4 AP Environmental Science classes to local High-Schools (7) Taught two community classes in Davis County, (8) Taught 4 community health classes in Bear-River – 50+ attendees at each event, etc (9) Two major outreach events at Riverton and South Jordan/Daybreak</b></p>
			<p>b. Conduct at least three educational training courses entitled, “Radon Resistant New Construction.” The course will offer continuing education core credits by the Utah Department of Commerce, Division of Occupation and Professional Licensing (DOPL) and will be held throughout various areas of the state.</p> <p><b>STATUS – Accomplished. RRNC classes were taught in Bear River.</b></p>
<p>c. Promote Radon Resistant New Construction by reaching out to Utah home builders through personal contacts, educational courses, advertising, and home show exhibits.</p> <p><b>STATUS – Accomplished. One RRNC class was taught</b></p>			

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			<p><b>to builders in Bear River. Utah County’s Knight West builds only RRNC homes. DEQ works with them.</b></p>
			<p>d. Assist Utah Habitat for Humanity in its building projects by providing RRNC training. Assist Green and Healthy Homes with providing mitigation and RRNC training.</p> <p><b>STATUS – Accomplished – Provided support to Habitat for Humanity in Salt Lake and Utah County. Also, working with Green and Healthy Homes, Assist , HUD, and other low income housing providers.</b></p>
			<p>e. Recognize and acknowledge home builders who are building RRNC homes in Utah via the DRC website, public events, and/or at Radiation Control Board meetings.</p> <p><b>STATUS – Accomplished. Continue to promote certification and has a video for builders to view. Within the past year Davis County School District only builds school with RRNC.</b></p>
			<p>f. Respond to opportunities provided by national radon organizations such as the American Association of Radon Scientists and Technologists (AARST) and the Conference for Radiation Control Program Directors (CRCPD) to attend national radon meetings and submit comments on radon standards (RRNC 2.0).</p> <p><b>STATUS – Accomplished. Participated in and presented at the 2015 National Radon Conference sponsored by CRCPD and AARST in September. Attended the EPA Region 8 Conference in April in Colorado. Attended the 3 R’s Conference in Colorado.</b></p>
			<p><b>2. Support disclosure, testing and mitigation in conjunction with Real Estate transfers.</b></p>
			<p>a. Conduct at least three educational training courses entitled, "Radon for the Real Estate Professional." The courses will offer continuing education core credits by the Utah Department of Commerce, Division of Real Estate (DRE) and will be held</p>

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			<p>throughout various areas of the state.  <b>STATUS – Accomplished. Instructed ten educational training courses (Approx.. 250 realtors) Courses were taught in Tri-County, Bear-River, Utah County, Davis County, Summit County, and Salt Lake County</b></p>
			<p>b. Coordinate annual meetings for radon mitigators, measurement providers, and home inspectors to clarify EPA standards and protocols.  <b>STATUS – Accomplished. Held quarterly meetings for AARST/CRCPD certified mitigators. Held two meetings for certified home measurement inspectors.</b></p>
			<p>c. Recognize and acknowledge Realtors who are radon educated on the DRC website.  <b>STATUS – Accomplished. Approximately 500 Radon educated Realtors are on DEQ’s Website. Updated periodically.</b></p>
			<p><b>3. Develop coalitions with local governments, partner affiliates and other radon risk reduction leaders.</b></p>
			<p>a. Continue working with Utah’s 12 local Health Districts in promoting public outreach. Encourage area outreach activities such as disseminating information packets on radon, distributing radon test kit coupons, and conducting radon educational presentations, and testing radon levels in schools.  <b>STATUS – Accomplished. Work closely with the 12 local health districts and was able to give some EPA pass-through funds to 10 local health districts. We have quarterly meetings. Tested 3 schools in Tri-County and tested 6 schools in Beaver County in 2015. In Davis County all schools were tested for radon in 2015. Two schools in Davis County were mitigated and one school in Beaver is getting bids to mitigate. Support them in outreach with Radon Poster Contest (had over 700 poster entries from all over state), radio/television interviews and school testing.</b></p>
			<p>b. Continue working with the Huntsman Cancer Institute in raising awareness in the state. Outreach activities</p>

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			<p>will include attending the 2014 University Health Care Be Well Utah Family Health Fair.  <b>STATUS – Accomplished. Worked closely with Huntsman Cancer Institute (Dr. Akerley), participated in the Huntsman Cancer Expo and 2015 University Health Care Be Well Utah Family Fair.</b></p>
			<p>c. Conduct outreach activities with the Utah Department of Health, Utah Cancer Action Network (UCAN), CanSAR, and the American Lung Association to promote radon awareness, radon testing, and mitigation.  <b>STATUS – Accomplished. Actively involved with the state’s cancer control plan, worked closely with UDOH on \$25,000 legislative money. Gave 4 presentations to legislative committees. Gave 4 presentation’s to City Council’s (Cottonwood Heights, Riverton,</b></p>
			<p>d. Provide assistance when requested by tribal organizations throughout Utah (specifically, the Piute tribe and the Shoshone tribe).  <b>STATUS – Accomplished. Looked into testing hogans in Navajo Mountain</b></p>
			<p>e. Continue partnership with Intermountain Health Care (IHC) system by supplying hospitals with newborn radon packet information, which started December 2003 (FY04)  <b>STATUS – Accomplished. Have added 11 hospitals to our list of participating hospitals. Approx. 10,000 free newborn radon test kit coupons were disseminated and over 500 radon test kits were requested and mailed out.</b></p>
			<p>f. Develop coalition with the Green and Healthy Homes Initiative (GHHI) Salt Lake Coalition to do radon testing in schools throughout Salt Lake County.  <b>STATUS – Accomplished. Two coalitions were created by radon advocates: The Utah Radon Coalition and the Utah Radon Policy Coalition were created to promote radon awareness and testing in conjunction with new radon legislation passed this year.</b></p>

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			<p>g. Provide radon education to the public through the National Radon Poster Contest, National Radon Action Month activities, DRC website, press releases, media appearances and advertisements, Governor’s Declaration, school science projects, and scout eagle projects.</p> <p><b>STATUS – Accomplished. Participated in 2015 Radon Poster Contest and collected over 700 posters. Poster winners were honored during NRAM by the Governor, he also signed a Declaration for Radon Action Month. WMRC participated in teaching science classes about radon and encouraged eagle scout projects</b></p>
			<p>h. Promote state radon legislation as opportunities arise.</p>
			<p>4. <b>Determine (track) and measure results with respect to awareness levels, testing frequency, mitigation, and radon resistant new construction.</b></p>
			<p>a. Continue to track local and national media articles about radon and the health hazard associated with exposure to elevated levels.</p> <p><b>STATUS – Accomplished.</b></p>
			<p>b. Continue to track educational opportunities to reach out to the general public, real estate professional, and homebuilders (see measures 1-2).</p> <p><b>STATUS – Accomplished. Number of people reached through educational opportunities exceeds 10,000.</b></p>
			<p>b. Continue to track phone calls, visits on the DEQ Radon website (www.radon.utah.gov ), and email inquiries.</p> <p><b>STATUS – Accomplished. Number of phone calls received was approximately 2,500, number of e-mails 1,000, and number of website hits was 40,000 (Note: website hits are up 10,000 from last year).</b></p>
			<p>c. Continue to track and report the number of homes tested for radon by currently listed radon measurement service providers, mitigation providers, and laboratories.</p> <p><b>STATUS – Accomplished. Number of homes tested was</b></p>

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			<p><b>approximately 8,000.</b></p> <p>d. Continue to track and provide annual reports of the number of homes built with RRNC, based on information provided by local home builders.  <b>STATUS – Accomplished. Approximately 400 homes</b></p> <p>e. Continue to track free radon test kit orders that come through the IHC newborn radon packets.  <b>STATUS – Accomplished. Newborn Baby grant gave away approximately 500 free radon test kits.</b></p> <p>f. Continue to track the number of homes mitigated quarterly by radon mitigation service providers.  <b>STATUS – Accomplished. Collecting data from Certified Radon Mitigators. Homes mitigated in Utah was approximately 2000 homes</b></p>
			<p><b>5. Testing and, where necessary, mitigating schools for radon and radon decay progeny.</b></p> <p>a. Educate School District Administrators about the health hazard associated with exposure to radon and promote radon testing in schools.  <b>STATUS – Accomplished. Tested 5 schools in Beaver County and 3 schools in Tri-County Health Department. Davis County continues to test all of the schools, mitigate if necessary and build with RRNC. Canyons School District tests their schools every year for Radon and mitigates if necessary. Over 40 schools were visited and educated about Radon and encouraged to participate in the Radon Poster Contest.</b></p> <p>b. Provide discounted radon test kits to school districts for testing, as requested.  <b>STATUS – Accomplished. Several Local Health Departments have contacted schools about testing and have requested help from DEQ. Also participate with their continuous radon monitors.</b></p>
			<p>c. Continue assisting school districts with education and radon testing programs.  <b>STATUS – Accomplished.</b></p> <p>d. Solicit school districts to participate in National</p>

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			sponsored "Radon in Schools" Webinars. <b>STATUS – Accomplished. No information on Webinars being taught for schools. A Real Estate School taped a class with a DEQ employee and this is taught via Webinar.</b>