



Utah DEQ
End of Year Report
FFY18 PPA
December, 2019

Table of Contents

Introduction	3
Divisions	4
Air Quality	4
Drinking Water	19
Environmental Response and Remediation – State CERCLA Program	26
Waste Management and Radiation Control	32
Program Commitments for the State	47
Water Quality	51
UIC Reporting	88
Statewide Lakes Phytoplankton Bloom Monitoring	89
Offices	90
Support Services	90
Planning and Public Affairs – Indoor Radon Grant	93
Planning and Public Affairs – Pollution Prevention and Stakeholder Involvement	101

Introduction

This End of Year Report documents the accomplishments of the Utah Department of Environmental Quality under the FFY18 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.”

**PPA END OF YEAR REPORT FFY18
UTAH DIVISION OF AIR QUALITY**

EPA Goal and Objective	EPA Measurement	UDEQ Goal	UDEQ Measure
<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>STATUS: The State and EPA have worked closely on several important SIP issues this year, including several clean data determinations, a major revision of the Regional Haze SIP, Ozone infrastructure SIPs, a CO Maintenance Plan revision, and development of a Serious Area PM2.5 SIP for Salt Lake County. The State has also submitted several other SIP revisions to help EPA resolve other issues.</p>
		<p>b. All measures contained in the SIP approved by the Air Quality Board are fully implemented.</p> <p>STATUS: Utah has implemented all control measures contained in plans submitted to EPA.</p>	
		<p>2. Develop and improve appropriate inventories.</p>	<p>a. The Title V inventory is prepared by August 15.</p> <p>STATUS: DAQ's new online emissions inventory system, SLEIS, was developed and implemented to allow regulated sources to submit their emissions inventories directly into the system online. The new system has greatly improved the speed and quality of the state's air emissions inventory. The Title V Emissions Fee invoicing was prepared by August 15, 2018.</p>
		<p>b. Required inventory data is entered into the NEI by June 1.</p> <p>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 due date.</p>	

**PPA END OF YEAR REPORT FFY18
UTAH DIVISION OF AIR QUALITY**

EPA Goal and Objective	EPA Measurement	UDEQ Goal	UDEQ Measure
			<p>c. Non-HAP/non-Criteria/non-MACT regulated pollutants are inventoried as required by federal rules.</p> <p>STATUS: <i>Non-HAP/non-Criteria/non-MACT inventories will be submitted by January 15, 2019.</i></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> <p>STATUS: <i>All Episodic, base-year, and projected-year inventories required for SIP development were developed and documented within the appropriate TSDs, taken out for public comment and submitted to EPA with the SIP packages.</i></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>STATUS: <i>Class I and Class II increment analyses were completed for all PSD permit applications.</i></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>STATUS: <i>The annual network plan was completed and made available for public comment on May 31, 2018. The final document was submitted to EPA on July 2, 2018.</i></p>
			<p>b. The PM_{2.5} monitoring network is maintained and operated as appropriate funding is received from EPA.</p> <p>STATUS: <i>The PM_{2.5} monitoring network was maintained and operated as funded by EPA.</i></p>

**PPA END OF YEAR REPORT FFY18
UTAH DIVISION OF AIR QUALITY**

EPA Goal and Objective	EPA Measurement	UDEQ Goal	UDEQ Measure
			<p>c. Monitoring data are submitted to EPA 90 days after each quarter.</p> <p>STATUS: Raw data are generally submitted to EPA within 90 days or sooner after each quarter.</p> <hr/> <p>d. Locations for new monitoring sites are based on current emission inventories, air quality modeling and EPA regulation.</p> <p>STATUS: 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. Substantial progress was made this year on the installation of the Near-Road monitoring site at the location EPA identified as most preferential. Near-Road site has been established and will be up and running for the start of 2019.</p> <hr/> <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>STATUS: The required NCORE monitoring continues.</p> <hr/> <p>f. The National Air Toxics Trends site in Bountiful is operated in accordance with NATTS QAPP with appropriate updates.</p> <p>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.</p>

**PPA END OF YEAR REPORT FFY18
UTAH DIVISION OF AIR QUALITY**

EPA Goal and Objective	EPA Measurement	UDEQ Goal	UDEQ Measure
			<p>g. An appropriate response to each identified NAAQS violation is prepared and submitted to EPA.</p> <p>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.</p> <p>h. The annual certification of 2017 data is completed by the May 1, 2018 annual certification date.</p> <p>STATUS: Certification of 2017 data was completed and submitted to EPA on April 20, 2018.</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>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</p>

**PPA END OF YEAR REPORT FFY18
UTAH DIVISION OF AIR QUALITY**

EPA Goal and Objective	EPA Measurement	UDEQ Goal	UDEQ Measure
			<p><i>site as long as Three-State funding is available. The State has also taken over control of the Escalante monitoring site from the BLM and will operate that site as a State site into the future as funding permits</i></p> <p>j. Initiate PAMS early implementation activities, including PAMS siting, preliminary PAMS plan for 2017 Annual Monitoring Network Plan, acquisition and installation of ceilometer for mixing height measurements.</p> <p>STATUS: Ceilometer has been installed. Carbonyl sampling equipment has been purchased and the state is waiting on contracting information for lab analysis. The DAQ has received the GC from EPA and will start assembly and training the first week of December with installation in the field thereafter. DAQ also awaits funding to support the PAMS program requirements. While the DAQ has received funds to purchase much of the equipment, funding for operation of the required elements and to pay for associated lab costs has not arrived from EPA.</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>STATUS: The Compliance Monitoring Strategy for FFY 2019 was submitted to USEPA Region VIII on October 30, 2018.</p>

**PPA END OF YEAR REPORT FFY18
UTAH DIVISION OF AIR QUALITY**

EPA Goal and Objective	EPA Measurement	UDEQ Goal	UDEQ Measure
			<p>b. Asbestos notification, certification and outreach programs are continued, and at least 120 on-site inspections are performed.</p> <p>STATUS: Asbestos notification, certification and outreach programs were operated and inspections were performed at 254 sites.</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>STATUS: The AHERA Grant work program was completed and reported in a separate report.</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>a. An Operating Permits Program is continued as described in program approval from EPA.</p> <p>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.</p>
		<p>b. The provisions of the Acid Rain Act and 40 CFR Part 72 and Part 76 are implemented.</p> <p>STATUS: The implementation of 40 CFR Parts 72 & 76, and the Acid Rain Act are ongoing.</p>	
		<p>7. Continue issuing approval orders for new sources and modifications of the existing approval orders.</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>STATUS: Air quality modeling was completed for major and minor source applications according to R307-410-3.</p>

**PPA END OF YEAR REPORT FFY18
UTAH DIVISION OF AIR QUALITY**

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

**PPA END OF YEAR REPORT FFY18
UTAH DIVISION OF AIR QUALITY**

EPA Goal and Objective	EPA Measurement	UDEQ Goal	UDEQ Measure
			<p><i>Small Business Environmental Assistance Program website.</i></p> <p>b. As appropriate, the Small Business Compliance Advisory Panel's role is modified to increase the effectiveness of the SBEAP.</p> <p><i>STATUS: All business sectors are aided. Resources are provided including online compliance assistance calendars available to all dry cleaners to help them comply with the NESHAP requirements.</i></p> <p>c. On-site assistance is provided when requested.</p> <p><i>STATUS: Assistance is provided to businesses when needed.</i></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><i>STATUS: The work plan is modified at each panel meeting.</i></p> <p>e. Assistance tracking is modified as appropriate to better provide and measure assistance needs.</p> <p><i>STATUS: The SBEAP is reviewing assistance provided and reviewing business needs to provide better quality assistance to the regulated community.</i></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>a. Necessary burn approval and denial decisions made by the Smoke Program Coordinator and Division Director are coordinated with partner agencies.</p> <p><i>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.</i></p>

**PPA END OF YEAR REPORT FFY18
UTAH DIVISION OF AIR QUALITY**

EPA Goal and Objective	EPA Measurement	UDEQ Goal	UDEQ Measure
			<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>STATUS: UDAQ gave comments to the FLMs on FLM-proposed revisions to the rules and is waiting for a response from the FLMs.</p>
		<p>11. Work with EPA to obtain federal actions on the backlog of State submittals.</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> <p>STATUS: The State and EPA have worked together to implement the 3-year plan to eliminate the backlog, resulting in the elimination of the backlog. Now the State and EPA have monthly SIP meetings to discuss recent and upcoming SIP submittals to ensure EPA can act on them in a timely manner.</p>
		<p>12. Implement designated facility plans, NSPS, NESHAPS, MACTs, CTGs and RACT.</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>STATUS: MACT requirements promulgated by EPA are included in Title V permits.</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>STATUS: New and revised MACT and NSPS standards continue to be adopted in Utah and implemented through the permit process.</p>

**PPA END OF YEAR REPORT FFY18
UTAH DIVISION OF AIR QUALITY**

EPA Goal and Objective	EPA Measurement	UDEQ Goal	UDEQ Measure
			<p>c. Rules implementing specific source RACT are developed and implemented as appropriate.</p> <p>STATUS: <i>New and revised MACT and NSPS standards continue to be adopted in Utah and implemented through the permit process.</i></p> <p>d. RACT determinations included in the Ozone Maintenance Plan and PM10 SIP are reviewed and updated as appropriate.</p> <p>STATUS: <i>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. RACT requirements in the PM10 SIP are being reviewed and updated as part of the Serious Area PM2.5 SIP.</i></p> <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>STATUS: <i>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.</i></p>
		13. Submit monitoring data to EPA as required.	<p>a. Quality assured ambient air pollution data is submitted to AQS no later than 90 days after each calendar quarter.</p> <p>STATUS: <i>Quality assured ambient data were submitted to EPA's AQS within 90 days after each quarter.</i></p>

**PPA END OF YEAR REPORT FFY18
UTAH DIVISION OF AIR QUALITY**

EPA Goal and Objective	EPA Measurement	UDEQ Goal	UDEQ Measure
			<p>b. Data precision and accuracy assessments are submitted to ICIS-Air no later than 90 days after each calendar quarter.</p> <p>STATUS: <i>Quality-assured P&A data were submitted within 90 days following each quarter.</i></p> <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>STATUS: <i>The database was monitored continuously for accuracy and completeness.</i></p> <p>d. Data summary reports are printed for regulatory and public use as appropriate.</p> <p>STATUS: <i>Data summary reports were prepared and printed for Board, regulatory and public use.</i></p>
		<p>14. Respond to questions from the public regarding air quality issues.</p>	<p>a. Ambient air quality data is provided to the AirNow Program.</p> <p>STATUS: <i>Ambient Air quality data was provided to the AirNow program.</i></p>
		<p>15. a) Work with other state / federal / local agencies to reduce diesel emissions in Utah.</p>	<p>a. Continue implementing the Utah Clean Diesel Program and apply for additional funding through DERA.</p> <p>STATUS: <i>Ongoing. 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.</i></p>

**PPA END OF YEAR REPORT FFY18
UTAH DIVISION OF AIR QUALITY**

EPA Goal and Objective	EPA Measurement	UDEQ Goal	UDEQ Measure
		<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>b. Continue efforts with Cache, Davis, Salt Lake, Utah, and Weber counties to implement their respective I/M programs.</p> <p>STATUS: Ongoing. Through Weber State University's National Center for Automotive Science and Technology (NCAST), DAQ continues to provide technical and training to support Bear River Health Dept.'s I/M program. DAQ works with Wasatch Front I/M counties with regulation/ordinance and program updates.</p>
		<p>15. c) 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>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>STATUS: Ongoing.</p>
<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 Air Toxics</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>STATUS: MACT requirements are included in Title V permits as they are promulgated by EPA.</p> <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>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</p>

**PPA END OF YEAR REPORT FFY18
UTAH DIVISION OF AIR QUALITY**

EPA Goal and Objective	EPA Measurement	UDEQ Goal	UDEQ Measure
		17. Assess public exposure to air toxics in Bountiful, Davis County by analyzing intensive community-specific air toxics monitoring campaign collected at sites in Bountiful area during summer and winter.	<p><i>communities as funding permits. DAQ has completed an analysis of current air toxics data in Utah, and is continuing an air toxics study funded by the state legislature.</i></p>
			<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>STATUS: Community outreach and air toxics analysis was performed based on community needs.</p>
			<p>a. Prepare a report summarizing main findings by January 2018</p> <p>STATUS: In progress. Report will be completed by year end.</p>
			<p>b. Characterize ambient air toxics levels in Bountiful community.</p> <p>STATUS: Complete. Data has been analyzed and plots summarizing the results have been generated. Results will be included in final report.</p>
<p>c. Assess community-scale and diurnal variability in air toxics levels in Bountiful area</p> <p>STATUS: Complete. Data has been analyzed and plots summarizing the results have been generated. Results will be included in final report.</p>			
<p>d. Identify source locations of high-risk air toxics</p> <p>STATUS: Potential sources have been identified but more research is needed for a more definitive source characterization. A follow-up study is underway.</p>			

**PPA END OF YEAR REPORT FFY18
UTAH DIVISION OF AIR QUALITY**

EPA Goal and Objective	EPA Measurement	UDEQ Goal	UDEQ Measure
			<p>e. Assess public exposure to air toxics within Bountiful community areas</p> <p>STATUS: Complete.</p> <hr/> <p>f. Ultimately determine specific emission reduction strategies</p> <p>STATUS: Incomplete. This is dependent on source identification of high-risk air toxics. Potential sources have been identified but more research is needed for a more definitive source characterization.</p> <hr/> <p>g. Ultimately evaluate and improve air toxics emissions inventory</p> <p>STATUS: More research is needed for improving the air toxics emissions inventory.</p>
<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 exposure to lead-based paint.</p>	<p>18. Protect public health and the environment through implementation of the Utah Lead-Based Paint Certification, Accreditation and Work Practices Program.</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>STATUS: The Utah Lead-Based Paint Grant work program was completed and reported in a separate document.</p> <hr/> <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 2018 and work to make further reductions in blood lead levels through 2019. (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)</p>

**PPA END OF YEAR REPORT FFY18
UTAH DIVISION OF AIR QUALITY**

EPA Goal and Objective	EPA Measurement	UDEQ Goal	UDEQ Measure
			<p>National Health and Nutritional Evaluation Survey (NHANES).</p> <p>STATUS: <i>The Utah Lead-Based Paint Program supported 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.</i></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>STATUS: <i>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.</i></p>

PPA END OF YEAR REPORT FFY18 UTAH DIVISION OF DRINKING WATER

SOURCE PROTECTION

EPA Goals & Objectives	EPA Strategic Targets	UDEQ Goals	UDEQ Measure
<p>Goal 2: Protecting America's Waters.</p> <p>Objective 2.1 Protect Human Health Sub-objective 2.1.1 Water Safe to Drinking</p> <p>Measures: SP-4a; SP-4b:</p>	<p>FY 17 National Target = 49%</p> <p>Regional Target = 40%</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>To meet or exceed the target measure of 48%.</p>	<p>Percent of community water systems where risk to public health is minimized through source water protection.</p> <p>STATUS:</p> <p>266/484 = 55%</p> <p><i>Risk reduction of 55% for community water systems achieved. This exceeds the goal of 48%.</i></p>
	<p>FY 17 National Target = 59%</p> <p>Regional Target = 40%</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>To meet or exceed the target measure of 52%.</p>	<p>Percent of population served by community water systems where risk to public health is minimized through source water protection.</p> <p>STATUS:</p> <p>1,770,688/3,093,585 = 57%</p> <p><i>Risk reduction of 57% for population achieved. This exceeded the goal of 52%.</i></p>

PPA END OF YEAR REPORT FFY18 UTAH DIVISION OF DRINKING WATER

IMPLEMENTATION AND ENFORCEMENT

EPA Goals & Objectives	EPA Strategic Targets	UDEQ Goals	UDEQ 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>FY17 National/-Regional Target = 92%</p>	<p>To meet or exceed the target measure of 87%</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>STATUS:</p> <p>78.5%</p> <p><i>There were several large community water systems (including our largest UTAH18026) which had a 45 violation open for a month. This pushed our measure low.</i></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>FY17 National/Regional Target = 90%</p>	<p>To meet or exceed the target measure of 85%</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>STATUS:</p> <p>82.4%</p> <p><i>Utah tracks all significant deficiencies in SDWIS creating the opportunity for more 45 violations. The low result for this goal is largely due to issuing many 45 violations.</i></p>

**PPA END OF YEAR REPORT FFY18
UTAH DIVISION OF DRINKING WATER**

EPA Goals & Objectives	EPA Strategic Targets	UDEQ Goals	UDEQ Measure
<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>FY17 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>STATUS:</p> <p>86.2%</p> <p><i>There were several large community water systems (including our largest UTAH18026) which had a 45 violation open for a month. This pushed our measure low.</i></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>FY17 National/Regional Target = 75%</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>STATUS:</p> <p>469 /484 = 97% completion for Community water systems</p> <p>1033 /1039 = 99.4% of all Public water systems</p>
<p>Goal 5.I Enforcing Environmental Law (Filter/GUI)</p>	<p>UDEQ provides to EPA by 11/15/17:</p> <p>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</p>	<p>Maintain an accurate list of unfiltered SW/GUI PWSs and a schedule for compliance of/and of actions, with timeframes, required for completion or initial GUI assessments.</p> <p>Provide a report to EPA by 11/15/17.</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.</p> <p>Report provided to EPA by 11/15/17.</p> <p>All current failure to filter violations uploaded to SDWIS by the end of FY2018 and future violations uploaded when they occur.</p>

**PPA END OF YEAR REPORT FFY18
UTAH DIVISION OF DRINKING WATER**

EPA Goals & Objectives	EPA Strategic Targets	UDEQ Goals	UDEQ Measure
	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.		STATUS: <i>Report emailed November 11-15-17 to Olive Hofstader and Gwen Campbell from Patti Fauver.</i>
Goal 5.1 Enforcing Environmental Law (ETT)	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.	Timely annotate the quarterly ETT list for priority systems.	Annotations are complete and timely. STATUS: <i>Annotations are complete and timely.</i>
	b) UDEQ addresses all priority ETT systems through formal enforcement or appropriate return to compliance within 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. c) EPA encourages UDEQ to update its enforcement escalation policies to ensure that all violations receive a state response, and that enforcement	Timely address all priority ETT systems. 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.	Priority ETT systems addressed within 6 months of identification. STATUS: <i>Priority ETT systems addressed within 6 months of identification with rare exception. The few that have extended beyond 6 months were based on imminent information from labs or other 3rd parties' issues.</i>

**PPA END OF YEAR REPORT FFY18
UTAH DIVISION OF DRINKING WATER**

EPA Goals & Objectives	EPA Strategic Targets	UDEQ Goals	UDEQ Measure
<p>Goal 5.1 Enforcing Environmental Law (SDWIS-Fed)</p>	<p>priorities are addressed in a timely and appropriate manner.</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>STATUS: <i>Utah attempted to report all information each calendar quarter. Utah's version of FedRep is broken and due to the limited SDWIS/State support nationally not all of the reports were able to be received by EPA.</i></p> <p><i>From 10-1-17 to 9-30-18 we sent 2 inventory files, 8 actions files and 4 samples files.</i></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>UDEQ will ensure that timely violation letters are sent to PWSs for each violation incurred.</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 incurred.</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>STATUS: <i>Violations are identified timely and letters sent.</i></p>

**PPA END OF YEAR REPORT FFY18
UTAH DIVISION OF DRINKING WATER**

EPA Goals & Objectives	EPA Strategic Targets	UDEQ Goals	UDEQ Measure
	<p>UDEQ continues to provide access to State PWS files & data for EPA's on-site enforcement review.</p>	<p>Allow EPA access to UDEQ PWS files and data.</p> <p>Eqedocs.utah.gov for PWS files.</p> <p>Waterlink.utah.gov for database records and view.</p>	<p>Continue to provide data access to EPA for review.</p> <p>STATUS: <i>DDW continues to provide online access to drinking water data to EPA for review. Additional information is provided as requested.</i></p>
	<p>UDEQ agrees that EPA will use the Uniform Enforcement Oversight System (UEOS) for evaluating the State's enforcement performance.</p>	<p>UEOS evaluation by EPA accepted.</p>	<p>Continue to provide EPA with data necessary to complete the UEOS.</p> <p>STATUS: <i>DDW continues to provide online access to drinking water data to EPA for review. Additional information is provided as requested.</i></p>
<p>Goal 5.1 Enforcing Environmental Law (New rules)</p>	<p>It is UDEQ's intent to adopt the RTCR Rule and commence enforcement effective on April 1, 2016, provided SDWIS is able to track and report violations. In the absence of SDWIS tools, UDEQ may have to rely on federal tracking and enforcement until such time as the SDWIS tools are in place. If federal involvement is necessary, UDEQ will cooperate with EPA in identifying water systems and violations for which EPA may need to issue enforcement actions.</p>	<p>If there are violations of any rule that UDEQ does not have primacy for UDEQ will share information regarding these violations with EPA.</p> <p>Utah submitted the final primacy packet for the RTCR in Jan 2017 and received interim in Mar/Apr 2017.</p> <p>In July, Utah received comments from EPA on the rule package. The comments</p>	<p>UDEQ and EPA will work closely on communicating capabilities related to the RTCR Rule.</p> <p>STATUS: <i>Final corrections for the RTCR rule language were filed with the Utah Drinking Water Board in November 2018 and are expected to be effective by 1-31-19.</i></p>

**PPA END OF YEAR REPORT FFY18
UTAH DIVISION OF DRINKING WATER**

EPA Goals & Objectives	EPA Strategic Targets	UDEQ Goals	UDEQ Measure
		<p>were submitted after the 90 day comment period. Utah will review the comments and address the comments as appropriate as resources allow.</p>	<p><i>This should complete all requested modification and clear the way for official primacy designation.</i></p>

**PPA END OF YEAR REPORT FFY18
UTAH DIVISION OF ENVIRONMENTAL RESPONSE AND REMEDIATION
State CERCLA 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. STATUS: DERR participated with EPA and other Region 8 states at the Superfund Manager's conference held in Deadwood, South Dakota on May 8 and 9, 2018.</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. STATUS: DERR and EPA Superfund managers held monthly coordination calls to discuss program and site specific issues.</p>
			<p>c. Participate in conference calls between directors of the State and EPA programs, as needed, to coordinate activities and discuss pertinent issues. STATUS: Calls between program directors were held as needed.</p>
			<p>d. Jointly organize and attend the annual retreat between EPA and the State, when conducted. STATUS: No retreat was conducted during FY2018.</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. STATUS: During FY2018 DERR continued to gather and assess information on groundwater that has been contaminated by solvents. This work is a collaborative effort between EPA, the DERR and the Division of Drinking Water. Contaminant levels will be reviewed on an ongoing three-year basis to look for trends and</p>

**PPA END OF YEAR REPORT FFY18
UTAH DIVISION OF ENVIRONMENTAL RESPONSE AND REMEDIATION
State CERCLA Program**

EPA Goal and Objective	EPA Measurement	UDEQ Goal	UDEQ Measure
			<i>to help advise water well owners of potential impacts before the well is affected to the point where it is shut down.</i>
		b. Continue discovery efforts for listing new sites on SEMS with a focus on the Ogden City area during FY2018. STATUS: DERR continued its discovery efforts in the Ogden City area during FY2018, and will continue to do so during FY2019. Pre-CERCLA worksheets are being submitted to EPA for review to determine if the sites should be listed on SEMS.	
		c. Determine the best ways to address the problems that are identified. STATUS: Solutions are identified on a site-by-site basis and in consultation between DERR and EPA Region 8 staff.	
		III. Apply the UDEQ Mission, Vision and Values in all work activities.	a. Discuss the application of the Mission, Vision and Values in coordination meetings, as needed. STATUS: The UDEQ Mission, Vision and Values were applied during DERR/EPA coordination meetings in the context of shared goals driving project planning and implementation.
IV. Coordinate proposal of Utah sites to the NPL.	b. Ensure that communications are consistent with the Mission, Vision and Values. STATUS: DERR routinely conducted communications consistent with the UDEQ Mission, Vision and Values, particularly the values of Exceptional Service, Credibility and Trust, and Continuous Improvement.		
a. Ensure thorough and comprehensive communication between the agencies for all sites that are under consideration for inclusion on the NPL. STATUS: DERR and EPA regularly discussed site			

**PPA END OF YEAR REPORT FFY18
UTAH DIVISION OF ENVIRONMENTAL RESPONSE AND REMEDIATION
State CERCLA Program**

EPA Goal and Objective	EPA Measurement	UDEQ Goal	UDEQ Measure
	Assess and Cleanup Brownfields; Clean up Contaminated Land	V. Encourage redevelopment of Superfund and Brownfields sites in Utah.	<p><i>status and prioritization (including NPL potential), particularly during development of the annual Site Assessment work plan submittal, the annual planning meeting, and monthly coordination calls.</i></p>
			<p>b. Evaluate potential NPL sites during coordination meetings. STATUS: DERR and EPA discussed site status and prioritization (including NPL potential) during the annual Site Assessment planning meeting on October 16, 2018.</p>
			<p>a. Implement the EPA-approved State Response Program Work Plan. Key tasks in the work plan include encouraging communities in Utah to participate in the Brownfields program; conducting, or assisting EPA in 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. STATUS: DERR complied with the EPA-approved State Response Program Workplan. DERR conducted outreach directly to local governments and non-profits in order to inform them of resources and services available to assist with Brownfields assessment, cleanup and redevelopment. DERR presented at the League of Cities and Towns annual conference and met with stakeholders in Price to discuss an EPA Community-Wide Assessment grant.</p>

**PPA END OF YEAR REPORT FFY18
UTAH DIVISION OF ENVIRONMENTAL RESPONSE AND REMEDIATION
State CERCLA Program**

EPA Goal and Objective	EPA Measurement	UDEQ Goal	UDEQ Measure
			<p><i>DERR completed a Petroleum Brownfields Assessment at the Randy's Texaco in Richmond and assisted EPA with a Targeted Brownfields Assessment at the Swift Building in Ogden. DERR provided technical assistance to various stakeholders such as UTA during expansion of selected portions of the existing "S" line streetcar system in Salt Lake City, and Provo City, Salt Lake County, Centro Civico Mexicano, Uintah Basin Association of Governments and Orem City with implementation of their respective grants. DERR also conducted pre-application meetings to inform parties of the Voluntary Cleanup Program (VCP) and Enforceable Written Assurance (EWA) process.</i></p> <p><i>DERR continued to maintain a complete public record, with project information and data available over the internet through the EZ Search and Interactive Map and a hard copy file.</i></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. STATUS: DERR participated in quarterly Region 8 Brownfields team calls. DERR personnel attended the National Brownfields Conference.</p> <p>c. Issue Certificates of Completion under the VCP. STATUS: DERR received six VCP applications, issued one Certificate of Completion (Ogden Business Exchange), and one No Further Action letter (Centro Civico Mexicano Parcel B) during the year.</p>

**PPA END OF YEAR REPORT FFY18
UTAH DIVISION OF ENVIRONMENTAL RESPONSE AND REMEDIATION
State CERCLA Program**

EPA Goal and Objective	EPA Measurement	UDEQ Goal	UDEQ Measure
			<p>d. Issue Enforceable Written Assurances to qualified applicants. STATUS: DERR received 23 EWA applications and issued 21 EWAs. DERR also worked with EPA to issue Reasonable Steps letters on projects such as, Parrish Chemical and the Elektron solar property.</p> <p>e. Coordinate with EPA on Ready for Reuse Determinations for Superfund sites. STATUS: DERR coordinated with EPA on redevelopment issues, but no site received a site-wide ready for anticipated use designation in FY2018.</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 FY2018.	<p>a. Prepare and submit funding applications and cooperative agreements for enhancement of the State Response Program. STATUS: 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 submitted, as needed, to support site-specific activities. DERR also submitted a request for State Response Program funding. Reports were submitted to EPA relative to cooperative agreement funding.</p> <p>b. Continue to develop and enhance the Utah Voluntary Cleanup Program and other State Response Programs. 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</p>

**PPA END OF YEAR REPORT FFY18
 UTAH DIVISION OF ENVIRONMENTAL RESPONSE AND REMEDIATION
 State CERCLA Program**

EPA Goal and Objective	EPA Measurement	UDEQ Goal	UDEQ Measure
			<p><i>documented in semi-annual reports submitted to EPA. Public comment periods were initiated for projects such as the Kings Auto, UTA Lots (Murray City Fire station) and Granton Square mixed use development. DERR continued to review documents, conduct site visits and oversee cleanup efforts at Kings Auto and Centro Civico Mexicano, among others. In addition, redevelopment was initiated or completed at sites (such as the new Amazon fulfillment center and Alta Gateway residential development in Salt Lake City) as a result of various Brownfields tools.</i></p> <p>c. Jointly develop and work to achieve the FY2018 planned Superfund remedial accomplishments. STATUS: DERR and EPA Region 8 worked closely to achieve the planned accomplishments for FY 2018.</p>

**PPA END OF YEAR REPORT FFY18
UTAH DIVISION OF WASTE MANAGEMENT AND RADIATION CONTROL**

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	UDEQ Goal	UDEQ Measure and Status
GOAL 4: Ensuring the Safety of Chemicals and Preventing Pollution.	Objective 4.2: Promote Pollution Prevention.	By 2019, 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 VSQG and SQGs to provide updated information on waste minimization programs and opportunities as well as compliance assistance.</p> <p>STATUS: DWMRC performed 48 SQG/VSQG inspections, 83 Site visits for HW generators and Used Oil collection centers and 15 Compliant Investigations.</p>
				<p>b. Continue Division pollution prevention policy implementation. Provide pollution prevention information and technical assistance to businesses that generate hazardous waste. Promote recycling of Hazardous Secondary Materials.</p> <p>STATUS: The Division continues its commitment to a high level of activity for Pollution Prevention and Hazardous Waste Minimization, particularly with its</p>

**PPA END OF YEAR REPORT FFY18
UTAH DIVISION OF WASTE MANAGEMENT AND RADIATION CONTROL**

EPA Strategic Goal and Objective	EPA Strategic Measurement	UDEQ Goal	UDEQ Measure and Status
			<p><i>programs for recycling such as used oil, waste tires and our P2 business exchange initiative.</i></p> <p><i>The Division provided educational outreach to small businesses and schools promoting the P2 at eight locations reaching approximately 450 participants. The Division also provided two trainings for the Hazardous Waste Generators on the new Rules; approximately 100 participants</i></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>STATUS: <i>The Division continues to work with EPA on pollution prevention measures. The Division discusses P2 and minimization efforts during inspections.</i></p>

**PPA END OF YEAR REPORT FFY18
UTAH DIVISION OF WASTE MANAGEMENT AND RADIATION CONTROL**

EPA Strategic Goal and Objective	EPA Strategic Measurement	UDEQ Goal	UDEQ Measure and Status
			<p>d. Administer an effective used oil recycling program.</p> <ul style="list-style-type: none"> i. Track and evaluate the amount of used oil collected for recycling, particularly used oil collected from Do-it-yourselfers (DIYers). ii. Review and process semi-annual DIYer reimbursements within established timeframes. iii. Support and help to maintain a sufficient number DIYer collection centers to make it convenient for the public to recycle their used oil. iv. Provide current listing of collection centers via the Division Web site. v. Document the number of new collection centers established during the fiscal year. vi. Maintain an effective Used Oil Block Grant Program to promote the recycling of used oil. Document the amount of funds awarded. <p>STATUS: The Division tracks used oil collected through our Permittees annual reports and our UOCC reimbursement program. The UOCC collected 151,718 gallons of used oil. We have 433 used oil collection centers with 18 new centers this FY. The Division keeps a current list by county of the collection centers on our website. We awarded 1,966.89 in UO Block grants. We recently updated our used oil Rules to enable DIYer UOCC to receive block grants for transportation costs in rural areas.</p>

**PPA END OF YEAR REPORT FFY18
UTAH DIVISION OF WASTE MANAGEMENT AND RADIATION CONTROL**

EPA Strategic Goal and Objective		EPA Strategic Measurement	UDEQ Goal	UDEQ Measure and Status
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 ensuring proper management of waste and petroleum products.	Minimize Releases of Hazardous Waste and Petroleum Products	Permits, Closure, and Post-Closure-	<p>a. Maintain effective hazardous waste permitting and closure/post closure programs.</p> <p>STATUS: <i>The Division maintains an effective hazardous waste permitting program. The Division completed:</i> <i>Permit Renewals: 2</i> <i>Class 3 Modifications: 1</i> <i>Class 2 Modifications: 2</i> <i>Class 1 Modifications: 13</i> <i>Temporary Authorizations: 4</i> <i>Emergency Permits: 27</i></p>
				<p>b. 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>STATUS: <i>Information was entered as required.</i></p>
				<p>c. 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</p>

**PPA END OF YEAR REPORT FFY18
UTAH DIVISION OF WASTE MANAGEMENT AND RADIATION CONTROL**

EPA Strategic Goal and Objective		EPA Strategic Measurement	UDEQ Goal	UDEQ Measure and Status
				<p>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>STATUS: The Division provides appropriate hazardous waste closure/post closure and permit response in reviewing, modifying and approving closure and post closure plans and permits.</p>
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.		Corrective Action-	<p>a. Maintain effective hazardous waste corrective action program, including stabilization of environmental releases and cleanup of contaminated waste sites.</p> <p>STATUS: The Division maintains an effective hazardous waste corrective action program with a trained staff of scientists and engineers.</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</p>

**PPA END OF YEAR REPORT FFY18
UTAH DIVISION OF WASTE MANAGEMENT AND RADIATION CONTROL**

EPA Strategic Goal and Objective	EPA Strategic Measurement	UDEQ Goal	UDEQ Measure and Status
			<p>(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>STATUS: <i>Information entered as required.</i></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 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>STATUS: <i>The Division completed 0 CA100, 0 CA 150s, 28 CA 200s, 12 CA400s, 9 CA550s, 1 CA900s and 10 CA999s.</i></p> <p>d. Provide appropriate stabilization response as dictated by case-by-case specifics, regulatory/statutory</p>

**PPA END OF YEAR REPORT FFY18
UTAH DIVISION OF WASTE MANAGEMENT AND RADIATION CONTROL**

EPA Strategic Goal and Objective		EPA Strategic Measurement	UDEQ Goal	UDEQ Measure and Status
				<p>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).</p> <p>STATUS: Completed 0 CA225s, 0 CA600s, 0 CA650s.</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>STATUS: EPA was provided with a 2020 Corrective Action update.</p>
GOAL 5: Enforcing Environmental Laws.	<p>Objective 5.1 Enforce Environmental Laws.</p> <p>Region 8 will continue to support the multimedia Energy Extraction initiative and Regional health care sector initiative. EPA will coordinate with UDEQ</p>	By 2019, 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 and facilities and foster an ongoing commitment to compliance and environmental protection through on-site inspections and compliance assistance activities.	<p>a. Update hazardous waste inspection universe and develop inspection schedule for FY 2018 by September 30, 2017. The selected universe and schedule will incorporate, as appropriate, state, regional, and national 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, 2017. The Region will develop its FY2018 Inspection schedule and submit to the Division by October 30, 2017.</p> <p>STATUS: The Division provided the a</p>

**PPA END OF YEAR REPORT FFY18
UTAH DIVISION OF WASTE MANAGEMENT AND RADIATION CONTROL**

EPA Strategic Goal and Objective	EPA Strategic Measurement	UDEQ Goal	UDEQ Measure and Status
	prior to commencing any activities related to these initiatives.		<p><i>revised inspection schedule to EPA on October 11, 2017.</i></p>
			<p>b. Complete targeted inspections by September 30, 2018.</p> <p>STATUS: <i>Inspections were completed within timeframe.</i></p>
			<p>c. Participate in joint state and federal industry sectors initiatives.</p> <p>STATUS: <i>Division staff accompanied EPA on inspections identified by the federal sector initiatives.</i></p>
			<p>d. Continue implementation of the small quantity generator compliance assistance program in FY 2018.</p> <p>STATUS: <i>The Division continues to provide compliance assistance for our hazardous waste generators.</i></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> <p>STATUS: <i>The Division provided timely information on enforcement through RCRAInfo.</i></p>
			<p>f. Consider economic factors in determining penalties for violations.</p> <p>i. Use EPA economic computer</p>

**PPA END OF YEAR REPORT FFY18
UTAH DIVISION OF WASTE MANAGEMENT AND RADIATION CONTROL**

EPA Strategic Goal and Objective	EPA Strategic Measurement	UDEQ Goal	UDEQ Measure and Status
			<p>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>STATUS: <i>Economic factors were considered in determining penalties. EPA models and flexibility were used where appropriate.</i></p> <hr/> <p>g. 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>STATUS: <i>The Division coordinated with EPA Region 8 for the CERCLA Off-site Rule and participated in national RCRA Generator workgroup, E-manifests and financial Assurance conference calls.</i></p> <hr/> <p>h. EPA has identified Financial Assurance through the National Program Management Guidance as a priority for FY 2018. 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</p>

**PPA END OF YEAR REPORT FFY18
UTAH DIVISION OF WASTE MANAGEMENT AND RADIATION CONTROL**

EPA Strategic Goal and Objective		EPA Strategic Measurement	UDEQ Goal	UDEQ Measure and Status
				Utah/EPA Enforcement Agreement. STATUS: The Division coordinated with EPA Region 8 and participates in monthly Financial Assurance conference calls.
				<p>i. Utah will inspect at least 50 % of the active treatment, storage and disposal facilities during FY 2018.</p> <p>STATUS: Inspections were completed as required.</p>
				<p>j. Incorporate, as appropriate, environmental justice information in the administration of the hazardous waste program.</p> <p>STATUS: The Division incorporates environmental justice in the hazardous waste program as appropriate.</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 ensuring proper management of waste and		Environmental Justice- The Division recognizes that incorporation of environmental justice into the RCRA regulatory program is a priority for EPA 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	<p>a. Incorporate, as appropriate, environmental justice information in the administration of the hazardous waste program.</p> <p>STATUS: The Division considered environmental justice.</p>

**PPA END OF YEAR REPORT FFY18
UTAH DIVISION OF WASTE MANAGEMENT AND RADIATION CONTROL**

EPA Strategic Goal and Objective		EPA Strategic Measurement	UDEQ Goal	UDEQ Measure and Status
	petroleum products.		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 planning, Brownfield redevelopment, and the equitable distribution of environmental benefits.	Promote sustainable communities	State-Based Regulation of Environmental Programs-	<p>a. Develop statutory and regulatory authorities to qualify for continued program authorization.</p> <p>STATUS: <i>The Division is in the process of compiling an authorization package to submit to EPA.</i></p>
				<p>b. Adopt new hazardous waste, solid waste, and used oil rules promulgated by EPA to maintain regulatory equivalency and program authorization.</p> <p>STATUS: <i>Utah has adopted the changes made to the DSW rule by the federal court vacatur of the rules with an effective date of September 14, 2018.</i></p>
				<p>c. Identify new federal hazardous waste rules promulgated during cluster period ending June 30, 2017 and which require adoption by the Waste Management and Radiation Control Board.</p> <p>STATUS: <i>Imports and Exports of Hazardous Waste, HWGIR.</i></p>

**PPA END OF YEAR REPORT FFY18
UTAH DIVISION OF WASTE MANAGEMENT AND RADIATION CONTROL**

EPA Strategic Goal and Objective		EPA Strategic Measurement	UDEQ Goal	UDEQ Measure and Status
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 equitable distribution of environmental benefits.	Promote sustainable communities	Partnership with Federal, State, Local and Tribal Governments-	<p>a. 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.</p> <ul style="list-style-type: none"> i. 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. ii. Provide technical and non-technical training to local health departments, industry, local governments, or other groups. iii. Focus on teamwork and partnership in identifying and resolving problems. iv. Address key problems identified by government partners and develop and implement solutions. <p>STATUS: <i>The Division coordinated with federal, state and local governments as requested.</i></p> <p>b. Identify key hazardous waste management problems and implement a solution in partnership with local health departments, local government, the Division, and EPA.</p>

**PPA END OF YEAR REPORT FFY18
UTAH DIVISION OF WASTE MANAGEMENT AND RADIATION CONTROL**

EPA Strategic Goal and Objective	EPA Strategic Measurement	UDEQ Goal	UDEQ Measure and Status
			<p>STATUS: <i>The Division identified a hazardous waste management problem and worked with the local health department, code enforcement and EPA emergency response to protect human health and the environment.</i></p> <p>c. Maintain positive relationship between the Division and local health departments.</p> <p>i. Notify local health departments of any Division activities occurring in their areas of jurisdiction.</p> <p>ii. 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>iii. Meet with each local health department at least annually.</p> <p>STATUS: <i>Notifications are made to the local health departments of upcoming inspections. Division attending Local health department meeting to discuss activities and issues with the program.</i></p> <p>d. 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>i. Participate, when invited, with local government organizations, at regular seminars and training meetings, as well as respond to individual requests for information.</p>

**PPA END OF YEAR REPORT FFY18
UTAH DIVISION OF WASTE MANAGEMENT AND RADIATION CONTROL**

EPA Strategic Goal and Objective	EPA Strategic Measurement	UDEQ Goal	UDEQ Measure and Status
			<p>ii. Solicit input from local governments regarding proposed rules which could impact their areas of jurisdiction.</p> <p>STATUS: <i>The Division attends local health department meetings when requested.</i></p>
			<p>e. Enhance the State/EPA partnership to ensure the management of a quality hazardous waste program.</p> <p>i. Maintain the MOA, the enforcement agreement, quality assurance plan for environmental data collection, and other operating guidance.</p> <p>ii. 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>iii. 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>iv. Maintain frequent and open communication on routine matters, changes in program capability, legislation, and resource levels,</p>

**PPA END OF YEAR REPORT FFY18
UTAH DIVISION OF WASTE MANAGEMENT AND RADIATION CONTROL**

EPA Strategic Goal and Objective	EPA Strategic Measurement	UDEQ Goal	UDEQ Measure and Status
			<p>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>v. 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> <p>STATUS: <i>The Division works closely with EPA attending training courses and workgroups with upcoming regulations. The Division attends webinars and training courses provided by EPA, RIN, Western States and ASTWSMO in partnership with EPA.</i></p>

**PPA END OF YEAR REPORT FFY18
UTAH DIVISION OF WASTE MANAGEMENT
AND RADIATION CONTROL
Program Commitments for the State**

FY 2017 Hazardous Waste Program Commitments for STATE		
Event	FY 2018	
	Committed	Achieved
Closure Activities (Unit Level)		
Closure Plan Approval (CL360) for LDUs	0	0
Closure Verification (CL380) for LDUs	0	0
Closure Plan Approval (CL360) for TSUs	0	0
Closure Verification (CL380) for TSUs	0	0
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)	0	0
Permit Activities at GPRA Universe Facilities (Facility Level)		
Permitted Facilities under Approved Controls	0	0
Permit Renewals due*	2	1
Permit Activities Totals	0	0
Permit Activities for GPRA Universe Facilities (Unit Level)		
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
Corrective Action Activities at GPRA Universe Facilities (Facility Level)		
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

**PPA END OF YEAR REPORT FFY18
UTAH DIVISION OF WASTE MANAGEMENT
AND RADIATION CONTROL
Program Commitments for the State**

Corrective Action Activities at GPRA Universe Facilities (Area Level)		
RFI Imposed (CA100) (area level)	0	0
RFI Approved (CA200) (area level)	22	28
Remedy Selection (CA400) (area level)	11	12
Construction Completion (CA550) (area level)	11	9
Corrections completed (CA900CR) (area level)	0	1
Corrective Action Completed (CA999) (area level)	11	10

*Permit Renewals Due this Strategic Period (FY14-18)

Permit Renewals

Nexeo

ATK Promontory Post- Closure Permit renewed September 26, 2018

Corrective Action Activities (Area Level)

RFI Report Approval (CA200) for two Group 4b SWMUs (SA-3 and S-38) at ATK Bacchus.
Report approved September 22, 2017. Earlier than anticipated.

RFI Report Approval (CA200) for Group 11 SWMU SS-1 at ATK Bacchus.
Report approved January 30, 2018.

RFI Report Approval (CA200) for two Group 12 SWMUs (BP-4 and OD-1) at ATK Bacchus.
Report approved for OD-1 September 13, 2018. BP-4 not accomplished.

RFI Report Approval (CA200) for SWMU 553 at ATK Promontory.
Report for SWMU 553 approved May 23, 2018.

RFI Report Approval (CA200) for 2 SWMUs at Tooele Army Depot – South (1 and 25).
Report approved on September 26, 2018.

RFI Report Approval (CA200) for 14 AOCs at Tooele Army Depot – South (2, 3, 5, 6, 7, 8, 9, 10, 11, 15, 21, 23, 24 and 27).
Report approved on October 23, 2017.

Remedy Selection (CA400) for two Group 4b SWMUs (SA-3 and S-38) at ATK Bacchus.
Remedy approved September 22, 2017. Earlier than anticipated.

Remedy Selection (CA400) for Group 11 SWMU SS-1 at ATK Bacchus.
Remedy Selection approved January 30, 2018.

Remedy Selection (CA400) for four Group 12 SWMUs (BP-4, OD-1, OD-2 and OD-3) at ATK Bacchus.
Remedy Selection for OD-1, OD-2 and OD-3 approved September 13, 2018. BP-4 not accomplished.

**PPA END OF YEAR REPORT FFY18
UTAH DIVISION OF WASTE MANAGEMENT
AND RADIATION CONTROL
Program Commitments for the State**

Remedy Selection (CA400) for two SWMUs at ATK Promontory (553 and 649).
Remedy Selection approved for SWMU 553 on January 30, 2018. SWMU 649 a mistake. Already accomplished in 2015.

Remedy Selection (CA400) for two SWMUs at Dyno Nobel Site B (1 and 2).
Not accomplished.

CMI Construction Complete (CA550) for two Group 4b SWMUs (SA-3 and S-38) at ATK Bacchus.
Report approved September 22, 2017. Earlier than anticipated.

CMI Construction Complete (CA550) for Group 11 SWMU SS-1 at ATK Bacchus.
Report approved January 30, 2018.

CMI Construction Complete (CA550) for four Group 12 SWMUs (BP-4, OD-1, OD-2 and OD-3) at ATK Bacchus.
Report approved for OD-1, OD-2 and OD-3 approved September 13, 2018. BP-4 not accomplished.

CMI Construction Complete (CA550) for two SWMUs at ATK Promontory (553 and 649).
CMI Report for SWMU 649 approved March 9, 2018. SWMU 553 not accomplished.

CMI Construction Complete (CA550) for two SWMUs at Dyno Nobel Site B (1 and 2).
Not accomplished.

Corrective Action Completed (CA999) for two Group 4b SWMUs (SA-3 and S-38) at ATK Bacchus.
NFA approved September 22, 2017. Earlier than anticipated.

Corrective Action Completed (CA999) for Group 11 SWMU SS-1 at ATK Bacchus.
NFA approved on January 30, 2018.

Corrective Action Completed (CA999) for four Group 12 SWMUs (BP-4, OD-1, OD-2 and OD-3) at ATK Bacchus.
CA900 approved for OD-1, OD-2 and OD-3 on September 13, 2018. BP-4 not accomplished.

Corrective Action Completed (CA999) for two SWMUs at ATK Promontory (553 and 649).
Approved for SWMU 649 on March 9, 2018. SWMU 553 not accomplished.

Corrective Action Completed (CA999) for two SWMUs at Dyno Nobel Site B (1 and 2).
Not accomplished.

Unplanned Corrective Action Activities (Area Level)

RFI Report Approval (CA200) for six Group 5 SWMUs (S-13, S-14, S-15, S-16, S-33A and S-33B).
S-13, S-14 and S-16 RFI Report approved on January 30, 2018. S-15, S-33A and S-33B RFI Report approved May 14, 2018.

RFI Report Approval (CA200) for Group 10 SWMU SP-32.
Approved on May 22, 2018.

Remedy Selection (CA400) for six Group 5 SWMUs (S-13, S-14, S-15, S-16, S-33A and S-33B).
S-13, S-14 and S-16 Remedy Selection approved on January 30, 2018. S-15, S-33A and S-33B Remedy Selection approved May 14, 2018.

**PPA END OF YEAR REPORT FFY18
UTAH DIVISION OF WASTE MANAGEMENT
AND RADIATION CONTROL
Program Commitments for the State**

Remedy Selection (CA400) for 2 Group 10 SWMU SP-32.
Approved on May 22, 2018.

CMI Construction Complete (CA550) for three Group 5 SWMUs (S-15, S-33A and S-33B).
S-15, S-33A and S-33B CMI Report approved May 14, 2018.

CMI Construction Complete (CA550) for SWMU 13.
Approved on May 14, 2018.

Corrective Action Completed (CA999) for three Group 5 SWMUs (S-15, S-33A and S-33B).
NFA approved for S-15, S-33A and S-33B on May 14, 2018.

Corrective Action Performance Standards Attained (CA900CR) for SWMU 13.
Approved on May 14, 2018.

**PPA END OF YEAR REPORT FFY18
UTAH DIVISION OF WATER QUALITY**

EPA Goals and Objectives	DWQ Goals and Measures	
<p>EPA STRATEGIC GOAL 2: Protecting America’s Water. 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.</p> <p>EPA OBJECTIVE 2.1: Reduce human exposure to contaminants in drinking water, fish and shellfish, and recreation waters, including source waters.</p> <p>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.</p>	<p>DWQ GOAL: 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.</p>	
	<p align="center">UPDES PROGRAM</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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".</p>	
	<p>1. Individual Permits</p>	<p>DWQ will report annually the number and percent of facilities that have a discharge requiring an individual permit that:</p> <p>a. are covered by a current UPDES permit</p>

**PPA END OF YEAR REPORT FFY18
UTAH DIVISION OF WATER QUALITY**

EPA Goals and Objectives	DWQ Goals and Measures	
		<p>STATUS: 122 Individual permits, 3 medium MS4 permits and 2 stand-alone Biosolids permits (Note that most Biosolids permits are not included herein, as they are combined with their respective Individual Municipal POTW permits).</p> <p>b. have expired individual permits</p> <p>STATUS: As of 11/20/2018, there were 13 expired individual permits and 5 Biosolids permits that are expired due to the expiration of the corresponding POTW permit.</p> <p>c. have applied for, but have not yet been issued an individual permit</p> <p>STATUS: There are two (2) facilities that have applied for individual permits, and these permits have not yet been issued as of 11/20/2018.</p> <p>d. have individual permits under administrative or judicial appeal</p> <p>STATUS: Currently there are zero (0) facilities that are under administrative appeal.</p>
	2. Priority Permits	<p>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.</p> <p>b. Each year, 95% of priority permits and 90% of all permits are issued or reissued within the five year statutory timeframe. If the number of backlogged permits is greater than 30% at any time, provide an overall permit</p>

**PPA END OF YEAR REPORT FFY18
UTAH DIVISION OF WATER QUALITY**

EPA Goals and Objectives	DWQ Goals and Measures	
		<p>issuance/backlog reduction plan showing how the State will expeditiously reduce the backlog to 10% upon request from EPA.</p> <p>STATUS: a completed and b ongoing. Based upon our entire permit universe, our number of backlogged permits is 6% as of 11/20/2018.</p>
	3. Whole Effluent Toxicity (WET)	<p>a. Assure proper implementation of WET requirements in UPDES permits.</p> <p>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.</p> <p>STATUS: a completed and ongoing, b completed.</p>
	4. Reasonable Potential Process	<p>a. Utah will continue to implement the process/procedures for RP consistent with 40 CFR 122.44(d).</p> <p>STATUS: Completed and ongoing.</p>
	5. Stormwater	<p>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.).</p> <p>STATUS: The Utah storm water program permits and contacts are posted on the DWQ website. Storm Water staff attend each monthly Utah Storm Water Advisory Committee (USWAC) meeting.</p> <p>b. Include EPA in the review process prior to</p>

**PPA END OF YEAR REPORT FFY18
UTAH DIVISION OF WATER QUALITY**

EPA Goals and Objectives	DWQ Goals and Measures	
		<p>issuing general permits for storm water discharges.</p> <p><i>STATUS: One permit was renewed in FY18: MSGP <u>Sectors J, K, L, N, O, Q, S, V, X, Y, Z</u> Comments were solicited from EPA for the permit.</i></p> <p>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 (including Municipal Phase I and Phase II) that are covered by a current individual or general UPDES permit or other enforceable mechanism.</p> <p><i>STATUS: Industrial, construction and municipal permittees are listed in the ICIS database. Industrial and construction permits are listed in Utah's Storm Water Database.</i></p> <p>d. Continue outreach/education activities for the Phase II Storm Water Program.</p> <p><i>STATUS: Storm Water staff provides ongoing outreach and education through the annual Storm Water Expo, monthly USWAC meetings, County coalition meetings, stakeholder association meetings, Floodplain Managers meeting, Utah League of Cities and Towns, APWA, ASCE and other conferences and venues as requested.</i></p>
	6. Pretreatment	<p>a. Provide EPA with the number and percent of local Pretreatment programs that have implemented Pretreatment Streamlining Regulations annually.</p>

**PPA END OF YEAR REPORT FFY18
UTAH DIVISION OF WATER QUALITY**

EPA Goals and Objectives	DWQ Goals and Measures
	<p>b. Provide the number of categorical industrial users (CIUs) in non-approved pretreatment programs annually.</p> <p>c. Provide the number of CIUs in non-approved pretreatment programs permitted by the State annually. Identify in ICIS the following Pretreatment Program statistics:</p> <ul style="list-style-type: none"> 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. <p>STATUS: <i>Item a, of the 19 pretreatment programs, 13, or 68%, have implemented streamlining requirements. The remaining 6 programs, or 32%, are working to incorporate the streamlining requirements into their legal authority.</i></p> <p><i>Items b and c, DWQ is aware of 3 CIUs in non-approved pretreatment program areas. Of the 3 CIUs, one is permitted by DWQ and the other</i></p>

**PPA END OF YEAR REPORT FFY18
UTAH DIVISION OF WATER QUALITY**

EPA Goals and Objectives	DWQ Goals and Measures	
		<p><i>two do not discharge to the POTW. All of these were inspected this year. Currently the DWQ is investigating the potential for additional CIUs in non-approved pretreatment areas.</i></p> <p><i>The following information for item c is based on information gathered from the annual pretreatment report. Item c.i., there are 293 SIUs in approved pretreatment programs which includes zero discharging SIUs that are permitted by the approved pretreatment program. Item c.ii., 100% of SIUs that are required to have a permit are permitted. Currently, DWQ is aware of one SIU that is not permitted due to the POTW determination that the facility is not impacting the POTW, therefore no permit is needed at this time. Item c.iii., there are 195 CIUs that have adequate control mechanisms.</i></p>
	7. Sewage Sludge (Biosolids)	<p>Promote the beneficial use of biosolids and implement biosolids regulations.</p> <ul style="list-style-type: none"> a. Provide the % and # of UPDES permits that contain biosolids language annually. b. Maintain data in the ICIS database. c. Reissue all biosolids permits which will expire in FY2018 and transition into consolidated permits as needed. 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. <p>STATUS: Item a, 100%, of individual UPDES</p>

**PPA END OF YEAR REPORT FFY18
UTAH DIVISION OF WATER QUALITY**

EPA Goals and Objectives	DWQ Goals and Measures	
		<p><i>permits for mechanical wastewater treatment plants include biosolids permit requirements (42 permits total). Items b and c, completed and ongoing. Item d, report was transmitted to EPA separately on 11/20/18.</i></p>
	<p>8. Concentrated Animal Feeding Operations (CAFOs)</p>	<p>a. Continue to implement “Utah’s Strategy To Address Pollution From Animal Feeding Operations.”</p> <p>i. For all permitted CAFOs, if available, enter permit facility data, and permit event data into ICIS.</p> <p>STATUS: There are currently 6 permitted CAFOs. Data has been entered into ICIS.</p> <p>ii. Inform EPA of animal feeding operations that are impacting water quality annually.</p> <p>STATUS: No new CAFO enforcement actions were taken in FY18.</p> <p>iii. 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.</p> <p>STATUS: DWQ staff participated in regular outreach meetings with UDAF and members of the CAFO committee.</p> <p>iv. EPA will provide CAFO rule development updates, to keep DWQ informed.</p> <p>b. Maintain an inventory of all permitted CAFOs</p>

**PPA END OF YEAR REPORT FFY18
UTAH DIVISION OF WATER QUALITY**

EPA Goals and Objectives	DWQ Goals and Measures	
		<p>and unpermitted CAFOs during FY2018. Provide the inventory to the EPA upon request.</p> <p>STATUS: There are currently 6 permitted CAFOs. DWQ maintains an inventory of unpermitted large CAFOs.</p> <p>c. Continue to implement the new EPA 2012 CAFO rules in Utah within FY 2018.</p> <p>STATUS: Implementation of EPA’s 2012 CAFO rules is ongoing.</p> <p>d. After rule revision and issuance of the next CAFO permit, Nutrient Management Plans for permitted CAFOs once approved, shall be tracked in ICIS.</p> <p>STATUS: There are currently 6 permitted CAFOs. Approved NMPs are tracked in ICIS.</p>
	9. Utah Sewer Management Program (USMP)	<p>Continue to implement a comprehensive state-wide permit program for the planning, operation and maintenance of all public wastewater sewer collection systems.</p> <p>STATUS: The DWQ is continuing to implement the USMP. The general permit for sewer collection systems was renewed and became effective on December 1, 2017.</p>
<p>EPA OBJECTIVE 2.1: Reduce human exposure to contaminants in drinking water, fish and shellfish, and recreation waters, including source waters.</p> <p>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,</p>	<p align="center">UPDES ICIS Date</p> <p>1. ICIS Data Management</p> <p>Ensure maintenance of information management systems sufficient to plan, track, assess, and make adjustments to program activities.</p> <p>a. Properly enter data into the ICIS data system</p>	

**PPA END OF YEAR REPORT FFY18
UTAH DIVISION OF WATER QUALITY**

EPA Goals and Objectives	DWQ Goals and Measures	
coastal, and ocean waters.		<p>such that the federally required data fields are current.</p> <p>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.</p> <p>c. ICIS data is entered accurately which includes permitting, compliance, and enforcement data.</p> <p>d. Continue to report non-major facilities compliance data the same as majors through the ICIS data management system.</p> <p>e. Track all inspections in ICIS.</p> <p>f. Enter additional ICIS data, as listed in other parts of this document</p> <p>STATUS: For a,b,c,d,e, and f above, all are completed and ongoing.</p>
<p>EPA OBJECTIVE 2.1: Reduce human exposure to contaminants in drinking water, fish and shellfish, and recreation waters, including source waters.</p> <p>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.</p>	UPDES Compliance Evaluations & Inspections	
	<p>1. Implement the Clean Water Act Action Plan</p>	<p>a. 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.</p> <p>STATUS: Completed and ongoing with EPA.</p>
	<p>2. Annual State / EPA UPDES Compliance Inspection Plan</p>	<p>a. Coordinate inspection activities among programs and between the State and USEPA. Incorporate targeted USEPA national and</p>

**PPA END OF YEAR REPORT FFY18
UTAH DIVISION OF WATER QUALITY**

EPA Goals and Objectives	DWQ Goals and Measures	
		<p>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.</p> <p>b. The Inspection Plan will include the universe of facilities subject to each CMS metric and number of compliance monitoring activities planned for the year.</p> <p>c. 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:</p> <ul style="list-style-type: none"> 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). <p>d. DWQ will submit a draft Inspection Plan for FY2018 by August 1, 2017, and the final</p>

**PPA END OF YEAR REPORT FFY18
UTAH DIVISION OF WATER QUALITY**

EPA Goals and Objectives	DWQ Goals and Measures	
		<p>Inspection Plan by September 15, 2017 or within 15 of days of receiving EPA’s formal comments on the draft Inspection Plan if EPA comments are received later than August 31, 2017.</p> <p>e. EPA may determine the number of inspections conducted at end of year (September 30, 2017) by DWQ in each category above by requesting this information from DWQ. DWQ will provide a list of inspections performed for each category as indicated in the Inspection Plan in the form of ICIS reports, Excel spreadsheets, or any other format agreeable to DWQ and EPA. Any inspections performed on or before September 30, 2017, but which do not appear in ICIS by December 31, 2017, will not be counted in the end of year numbers.</p> <p>f. EPA Region 8 may conduct up to 6 oversight inspections with DWQ in FY2018. 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.</p> <p>g. 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.</p>

**PPA END OF YEAR REPORT FFY18
UTAH DIVISION OF WATER QUALITY**

EPA Goals and Objectives	DWQ Goals and Measures	
		<p>h. During FY2018, 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.</p> <p>STATUS: Completed and ongoing with EPA for items a thru h above.</p>
	3. Storm Water	<p>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.</p> <p>b. Encourage DWQ staff, District Engineers and municipal and county staff to assist with inspections as allowed by time and resource constraints.</p> <p>STATUS: Ongoing. Construction sites in MS4 jurisdictions are inspected monthly or bimonthly if priority by MS4 staff in accordance with permit requirements. District Engineers assist with inspections when requested.</p>
<p>EPA OBJECTIVE 2.1: Reduce human exposure to contaminants in drinking water, fish and shellfish, and recreation waters, including source waters.</p> <p>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.</p>	UPDES Enforcement	
	1. QNCR and ANCR	<p>a. 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.</p> <p>STATUS: Completed and ongoing.</p>

**PPA END OF YEAR REPORT FFY18
UTAH DIVISION OF WATER QUALITY**

EPA Goals and Objectives	DWQ Goals and Measures	
	2. DWQ Enforcement	<ul style="list-style-type: none"> 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 may submit an updated draft Enforcement Management System. EPA Region 8 will provide timely comments within 45 days of any submittal. f. DWQ will submit to EPA appropriate enforcement documents (NOVs/Orders, settlement agreements, etc.) upon request. g. 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

**PPA END OF YEAR REPORT FFY18
UTAH DIVISION OF WATER QUALITY**

EPA Goals and Objectives	DWQ Goals and Measures	
		<p>energy extraction). The EPA will provide written comments on any reviewed settlement documents and penalty calculations as part of the EOY Review.</p> <p><i>STATUS: Completed and ongoing for a thru g above. List requested in item g was sent to EPA in a separate transmittal on 11/20/18.</i></p>
	3. Whole Effluent Toxicity (WET)	<p>Assure proper and consistent enforcement of WET requirements in UPDES permits.</p> <p>a. Enforce UPDES permit WET limits and compliance schedule violations in accordance with the enforcement guidance contained in its February, 2018 “Permitting and Enforcement Guidance Document for Whole Effluent Toxicity Control,” and any subsequent revisions.</p> <p>b. DWQ will submit as part of their FY2018 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 FY2018, and a list of any formal enforcement actions which included WET violations.</p> <p><i>STATUS: Item a is completed and ongoing. For item b, the requested list of facilities which are required to have WET limits/monitoring was sent to EPA under a separate transmittal on 11/20/18. No formal enforcement actions taken in FY18 included WET violations.</i></p>

**PPA END OF YEAR REPORT FFY18
UTAH DIVISION OF WATER QUALITY**

EPA Goals and Objectives	DWQ Goals and Measures	
<p>EPA OBJECTIVE 2.2: Protect and Restore Watershed and Aquatic Ecosystems. Protect the quality of rivers, lakes, streams and wetlands on a watershed basis.</p>	<p>4. EPA Enforcement</p>	<p>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.</p> <p>b. Region 8 agrees to coordinate with and appropriately notify DWQ when it conducts any inspections and investigations.</p>
	<p>5. 404 Enforcement Actions</p>	<p>a. 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.</p>
	<p>TMDL WATERSHED</p>	
	<p>1. Accomplish an effective program for completion and implementation of TMDLs.</p> <p>Participate in calls and meetings with EPA to refine and update (as necessary) the Program Vision prioritization strategy, efforts to address the other 303(d) Vision goals, and progress in developing FY19 TMDLs and TMDL alternatives. (Ongoing Carl Adams)</p>	<p>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 2018 is 37% based on the submission of the North Fork Virgin River TMDL for E. coli.</p> <p>b. Identify the State-wide extent of activities leading to completed TMDLs or alternative</p>

**PPA END OF YEAR REPORT FFY18
UTAH DIVISION OF WATER QUALITY**

EPA Goals and Objectives	DWQ Goals and Measures	
		<p>restoration approaches for impaired waters, or protection approaches for unimpaired waters (WQ-28). This is an indicator measure and does not require annual commitments.</p> <p>STATUS:</p> <p>a. The North Fork Virgin River TMDL was completed and approved in 2018.</p> <p>b. Impaired waters identified for alternative approaches to TMDL development have been identified in the 303(d) Vision document in addition to protection approaches for unimpaired waters.</p>
	<p>2. Implement a prioritization strategy under the 303(d) Vision that will be used to identify</p>	<p>a. A list of priority waters slated for near term (~2 year) TMDL development or alternative approaches;</p> <p>b. Update as necessary a list of priority waters scheduled for likely TMDL development or alternative or approaches over the 2016 – 2022 period;</p> <p>c. Update as necessary a list of priority waters awaiting management to protect their current condition from degradation during 2016 – 2022 (optional); and</p> <p>d. The strategic rationale of the State in setting these priorities.</p> <p>STATUS:</p> <p>a. A TMDL is being developed for the Fremont River 3 for E. coli and is scheduled for completion in 2020.</p> <p>b. The schedule for TMDL development up to 2022 was revised. Most TMDL's outlined in Utah's 303(d) vision are scheduled for completion by 2022.</p> <p>c. On-going.</p>

**PPA END OF YEAR REPORT FFY18
UTAH DIVISION OF WATER QUALITY**

EPA Goals and Objectives	DWQ Goals and Measures	
		<p><i>d. Utah’s prioritization strategy was finalized and presented in multiple public forums for review and input. The strategy was included in Utah’s 2016 Integrated Report and an updated version will be included in the combined 2018/2020 Integrated Report.</i></p>
	<p>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.</p> <p><i>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.</i></p> <p>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.</p> <p><i>STATUS: Contract tracking is ongoing. Watershed Protection Section staff coordinate on a regular basis to ensure sufficient funding is available to complete required work.</i></p> <p>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.</p> <p><i>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 2018 took place in the Weber River, Bear River, Jordan River and Provo River Watersheds. The targeted basin for 2018 was the Weber River Watershed. Current focus areas for TMDL development include finalizing the Silver Creek Site Specific Standard for TDS, and Provo River for Al, Zn, As, DO, and E. coli.</i></p>	
	<p>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 .</p>	<p>a. Conduct a comprehensive NPS program review preceding the update of the NPS Management Plan every five years beginning 2018.</p> <p>b. Update GRTS annually by entering annual progress report information according to December 31st deadlines.</p>

**PPA END OF YEAR REPORT FFY18
UTAH DIVISION OF WATER QUALITY**

EPA Goals and Objectives	DWQ Goals and Measures
	<ul style="list-style-type: none"> c. Submit NPS Annual Report by January 31 of each year. 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. 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. 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) g. Report the number of water bodies identified (in 2000 or subsequent years) as being primarily nonpoint source (NPS)-impaired that are partially or fully restored. Target for FY-2018 is 1 watershed. (WQ10) 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. i. Report the number of priority watershed coordinator positions developed and functioning according to DWQ contract work

**PPA END OF YEAR REPORT FFY18
UTAH DIVISION OF WATER QUALITY**

EPA Goals and Objectives	DWQ Goals and Measures	
		<p>plans.</p> <p>STATUS:</p> <p><i>a. The State Nonpoint Source Management plan was updated and submitted to EPA for approval in August, 2018.</i></p> <p><i>b. This task is ongoing and on schedule. The GRTS entry is performed by Jim Bowcutt, DWQ's NPS Coordinator.</i></p> <p><i>c. 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.</i></p> <p><i>d. This task is ongoing. Quarterly Task Force meetings were held in 2018, 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.</i></p> <p><i>e. Closure of the FY-12 and FY-13 NPS grants were completed, and the process of closing the FY-14 funds has begun.</i></p> <p><i>f. 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.</i></p> <p><i>g. A WQ12 success story has been submitted for the North Fork Virgin River.</i></p> <p><i>h. These data have been requested from NRCS and will be reported in the 2018 NPS Program Annual Report. In 2018 National Water Quality Initiative funding was allocated to the Chalk Creek watershed and Upper Sevier River watersheds.</i></p>

**PPA END OF YEAR REPORT FFY18
UTAH DIVISION OF WATER QUALITY**

EPA Goals and Objectives	DWQ Goals and Measures
	<p><i>i. 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 part time / work share positions in cooperation with local sponsoring agencies. The remaining coordinator positions in the Middle/Lower Bear River, Upper Weber River, San Pitch River, Upper Sevier River and Utah Lake / Provo River watersheds are funded as full time positions.</i></p>
<p align="center">GROUND WATER PROTECTION</p> <p>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 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 narrative included in the EOY Report (see Table 1 on page 76).</p> <p>The USEPA agrees to provide the following support to the Utah 1422 UIC Program:</p> <ol style="list-style-type: none"> a. One annual midyear review of Utah 1422 UIC Program. b. Technical training, as appropriate and as funds allow. c. Seventy-five percent (maximum) of funds necessary to operate the core State 1422 UIC Program, assuming a federal budget funding level near or equal to the past three years. Should funding levels drop significantly, USEPA will review core program elements and provide appropriate revisions 	
<p>EPA OBJECTIVE 2.1 Reduce human exposure to contaminants in drinking water, fish and shellfish, and recreation waters,</p>	<p>1. Maintain an effective 1422 Underground Injection Control Program per agreement with the EPA</p> <p><i>STATUS: Details of the 1422 UIC Program activities during this FFY have been reported in the Annual EOY Program Summary submitted in November 2018.</i></p>

**PPA END OF YEAR REPORT FFY18
UTAH DIVISION OF WATER QUALITY**

EPA Goals and Objectives	DWQ Goals and Measures
	<p>2. 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:</p> <ul style="list-style-type: none"> a. Evaluate the core program effectiveness as reported in the UIC Program narrative included in the EOY Report (see Table 1). 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. MVWDWs and LLCs identified, inspected and closed are included in the biannual 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. <ul style="list-style-type: none"> i. The reporting requirements for this metric shall be fulfilled by the biannual submittal to the National UIC Database. 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. <ul style="list-style-type: none"> i. The reporting requirement for this metric shall be fulfilled by the biannual submittal to the National UIC Database. 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. <ul style="list-style-type: none"> i. The reporting requirement for this metric shall be fulfilled by the biannual submittal to the National UIC Database. ii. 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 DEQ/QMP Approved QAPP.

**PPA END OF YEAR REPORT FFY18
UTAH DIVISION OF WATER QUALITY**

EPA Goals and Objectives	DWQ Goals and Measures		
	<p>STATUS:</p> <ul style="list-style-type: none"> a. The Annual EOY Program Summary was submitted in November 2018 to EPA Region 8. b. Four MVWDWs were closed this FFY. Details of the activities associated with these closures were presented in the Annual EOY Program Summary submitted in November 2018 to EPA Region 8. Reporting requirements for this metric were fulfilled by updating the Utah 1422 UIC data in the Inventory and Measures Reporting Site (IMRS) system. c. There are no Class I wells in Utah. d. The reporting requirement for this metric was fulfilled by submitting form 7520-2a data via the new reporting system for submitting .csv files. e. Four MVWDWs were closed this FFY. Reporting requirements for this metric were fulfilled by updating the Utah 1422 UIC data in the Inventory and Measures Reporting Site system. f. Monitoring activities are performed according to permit conditions which incorporate regulatory and industry standards for such activities. 		
	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; padding: 5px;"> <p>3. 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.</p> </td> <td style="width: 50%; padding: 5px;"> <ul style="list-style-type: none"> a. Provide 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. (b. Provide a 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), large capacity cesspools (LCCs) and any other outreach activities intended to inform the public and the regulated community about UIC Program requirements. <p>STATUS: Items a and b have been completed and were reported in the UIC Program narrative included in the EOY Program Summary submitted to EPA in November 2018.</p> </td> </tr> </table>	<p>3. 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.</p>	<ul style="list-style-type: none"> a. Provide 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. (b. Provide a 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), large capacity cesspools (LCCs) and any other outreach activities intended to inform the public and the regulated community about UIC Program requirements. <p>STATUS: Items a and b have been completed and were reported in the UIC Program narrative included in the EOY Program Summary submitted to EPA in November 2018.</p>
<p>3. 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.</p>	<ul style="list-style-type: none"> a. Provide 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. (b. Provide a 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), large capacity cesspools (LCCs) and any other outreach activities intended to inform the public and the regulated community about UIC Program requirements. <p>STATUS: Items a and b have been completed and were reported in the UIC Program narrative included in the EOY Program Summary submitted to EPA in November 2018.</p>		

**PPA END OF YEAR REPORT FFY18
UTAH DIVISION OF WATER QUALITY**

EPA Goals and Objectives	DWQ Goals and Measures	
	<p>4. Electronic Submittal to the National UIC Database</p>	<p>a. 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 biannually through electronic submittal of the Utah UIC Geodatabase to the National UIC Database.</p> <p>b. See Table 1 on page 80 for reporting requirements.</p> <p>STATUS: Completed and ongoing.</p>
	<p>5. Continue administration of a comprehensive ground water protection program according to priorities established in Utah Ground Water Protection Strategy and the annual FY16 Division of Water Quality/Goals and Objectives.</p>	<p>a. End-of-year report as required by EPA grant on achievement of FY17 DWQ/Ground Water Program Goals and Objectives.</p> <p>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.</p> <p>STATUS: Completed and ongoing.</p>
<p>EPA OBJECTIVE 2.1: Reduce human exposure to contaminants in drinking water, fish and shellfish, and recreation waters, including sources waters.</p> <p>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.</p>	<p>STANDARDS AND TECHNICAL SERVICES</p>	
	<p>1. Maintain Water Quality Standards as the basis for effective water quality management and assessment programs.</p>	<p>a. Continue to review and compile a list of potential water quality standards to be included in the 2017 triennial review, including: nutrient criteria, appropriate modifications to Great Salt Lake standards, and new or revised 304 (a) criteria recommendations.</p> <p>b. Continue to collaborate with the water quality standards workgroup(s) of stakeholders and partners on continued water quality standards revisions.</p>

**PPA END OF YEAR REPORT FFY18
UTAH DIVISION OF WATER QUALITY**

EPA Goals and Objectives	DWQ Goals and Measures
	<p>c. Develop and publicize a plan for implementing tissue-based criteria (i.e., revised selenium criteria adopted).</p> <p>d. Evaluate Utah waters for the historical presence of mollusks in preparation for adoption of Utah ammonia criteria based on EPA's 2013 ammonia criteria recommendation. Develop implementation guidance for conducting mussel surveys.</p> <p>e. Develop guidance for the utilization of variances with UPDES and other permitting programs consistent with the EPA's 2015 Water Quality Standards revisions. Determine if Utah's water quality standards should be modified to include variance policies and procedures.</p> <p>STATUS:</p> <p>a. Revisions to Utah's water quality standards as part of the 2017 triennial review is complete.</p> <p>b. Utah's Water Quality Standards Workgroup met on December 10, 2018 to discuss potential revisions to Utah's water quality standards and other pertinent guidance.</p> <p>c. DWQ has compiled selenium concentration data statewide, reviewed the Selenium implementation guidance and developed a Sampling Analysis Plan to collect fish tissue data.</p> <p>d. DWQ in partnership with the State of Colorado worked with researchers from Utah State University who conducted a literature survey of the presence of mollusks in both Utah and Colorado. Response to public comments on the final report and database are complete.</p>

**PPA END OF YEAR REPORT FFY18
UTAH DIVISION OF WATER QUALITY**

EPA Goals and Objectives	DWQ Goals and Measures	
		<p><i>e. DWQ completed the guidance document, UPDES Permit Compliance Flexibilities and Alternative Water Quality Standards Approaches under the Clean Water Act to help identify the appropriate regulatory tools (permit based or standards based) to address compliance issues. Water Quality Standard Variances were discussed in light of EPA's 2015 variance policy.</i></p>
	<p>2. Development of rules, policies, and procedures to ensure protection of Great Salt Lake and its surrounding wetlands.</p>	<p>a. Continue to update and revise as necessary the Great Salt Lake Water Quality Strategy, Core Components 1 and 2.</p> <p>b. Continue to implement the Great Salt Lake Baseline Sampling Plan within the requirements of the Quality Assurance Program Plan. Update the QAPP as needed.</p> <p>c. Continue numerous efforts to encourage collaboration among DWQs sister State and Federal agencies with related management responsibilities for GSL.</p> <p>d. Continue toxicological testing of brine shrimp and brine flies in support of numeric criteria development for priority pollutants in GSL.</p> <p>e. Continue development of assessment of recreational and aquatic uses using the narrative standard for Farmington Bay</p> <p>f. Continue to collaborate with EPA on all major 401 water quality certifications in jurisdictional waters with emphasis on projects occurring in the Great Salt Lake Watershed including Compass Minerals, Kennecott Utah Copper, Union Pacific Railroad and West Davis Corridor.</p> <p>g. Continue to develop and implement monitoring and assessment methods for GSL wetlands.</p> <p>h. As resources allow, fill the key data gaps</p>

**PPA END OF YEAR REPORT FFY18
UTAH DIVISION OF WATER QUALITY**

EPA Goals and Objectives	DWQ Goals and Measures	
		<p>identified by the 2016 Great Salt Lake Aquatic Life Use Resident Taxa Summary.</p> <p>i. Modify Utah's Water Quality Standards to ensure the long term protection of the Willard Spur and whenever appropriate to accommodate ongoing development of water quality programs for GSL.</p> <p>STATUS:</p> <p>a. Implementation activities per Great Salt Lake's Water Quality Strategy, Core Components 1 and 2 include: application of the interim guidance to UPDES permit renewals for Great Salt Lake dischargers, water quality sampling and analysis of GSL bays and working with TRE, Inc. to conduct acute toxicity testing of brine shrimp and brine flies for priority pollutants.</p> <p>b. Water quality and brine shrimp samples were collected twice (June and October) in Gilbert, Farmington and Bear River Bays as outlined in the Great Salt Lake Baseline Sampling Plan following the GSL QAPP guidelines. This and all readily available water chemistry and biological data were compiled into a R/Shiny Web application to understand and track water quality. Nutrient and salt pool mass estimates have been calculated.</p> <p>c. 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 and the legislative GSL Advisory Council. In addition, DWQ has actively coordinated and collaborated with</p>

**PPA END OF YEAR REPORT FFY18
UTAH DIVISION OF WATER QUALITY**

EPA Goals and Objectives	DWQ Goals and Measures
	<p><i>governmental agencies for permitting responsibilities.</i></p> <p><i>d. DWQ continues to work with the researchers (TRE, Inc., and Notre Dame University) to conduct the toxicological testing of brine shrimp and brine flies. In cooperation with an EPA workgroup. acute toxicity testing is near completion.</i></p> <p><i>e. Ongoing. DWQ has compiled GSL nutrient data to date into a R/Shiny Web Application and validated USGS nutrient pool estimates. DWQ is discussing a stakeholder framework in preparation for a nutrient loading study to be included as part of Core Component 4 of the GSL Water Quality Strategy.</i></p> <p><i>f. Ongoing. DWQ has and will continue to collaborate on all major 401 water quality certifications.</i></p> <p><i>g. DWQ continues to develop water quality standards for GSL wetlands made possible by EPA Region 8's Wetland Program Development Grants. DWQ held a series of Conservation Action Planning Workshops to draw on the knowledge of experts to understand the most important characteristics of GSL wetlands, relevant and applicable indicators of health, threats and strategies for protection. Benchmarking with other states' wetland water quality standards was completed as part of the effort.</i></p> <p><i>h. The development of water quality standards for GSL bays is ongoing including acute and chronic toxicity testing of brine shrimp and brine flies for priority metals that would apply to Gilbert Bay and the development of recreational and aquatic life use assessment methods for nutrients in Farmington Bay.</i></p>

**PPA END OF YEAR REPORT FFY18
UTAH DIVISION OF WATER QUALITY**

EPA Goals and Objectives	DWQ Goals and Measures	
		<p><i>a. A Conservation Action Planning Workshop was conducted with members of the Willard Spur Steering Committee and Science Panel to discuss Willard Spur Water Quality Standards including functions, indicators of health and threats. The results will be incorporated with the GSL wetland CAP results to devise Water Quality Standards that are GSL lake-wide.</i></p>
	<p>3. Development of numeric nutrient criteria and associated implementation procedures</p>	<p>a. Continue to incorporate nutrient-specific monitoring efforts into Utah's long-term monitoring strategy. Include plans for the ongoing measurement of nutrient-related ecological responses.</p> <p>b. Propose and promulgate numeric criteria for Utah's headwater streams. Finalize the technical support document that underpins these criteria.</p> <p>c. Continue to develop numeric water quality indicators and/or criteria for phosphorous, nitrogen and associated ecological responses to protect recreation or aquatic life uses for Utah's waters.</p> <p>d. Evaluate adopting, with appropriate modifications, any revised 304(a) nutrient criteria proposed by EPA.</p> <p>e. Continue to meet with Utah's Nutrient Stakeholder Workgroups on outreach efforts in support of Utah's nutrient reduction strategy.</p> <p>f. Revise Utah's nutrient (TN and TP) reduction strategy, including a plan for the development and implementation of numeric nutrient criteria.</p> <p>g. Continue to work with a focused stakeholder groups to on the development of nutrient criteria and associated implementation</p>

**PPA END OF YEAR REPORT FFY18
UTAH DIVISION OF WATER QUALITY**

EPA Goals and Objectives	DWQ Goals and Measures	
		<p>programs.</p> <ul style="list-style-type: none"> h. Develop implementation processes and associated rules for a comprehensive nutrient reduction program. i. Continue to participate on TMDLs for nutrient-related impairments to ensure that, wherever possible, that the endpoint align with site-specific standard development. <p>STATUS:</p> <p>a. DWQ continues to measure both nutrients and ecological responses in lakes and streams statewide. Revisions to the field methods were made after a 2015 cooperative monitoring effort of headwater streams was conducted by DWQ, Utah Department of Agriculture and Food and the US Forest Service. An implementation plan that includes a nutrient-specific monitoring and assessment program is completed and will accompany the package that is submitted to EPA in support of forthcoming TN and TP criteria for headwater streams.</p> <p>b. DWQ completed the Technical Support Document and the Numeric Nutrient Headwater Criteria Proposal that together make up Utah's rule-making package. Formal recommendations are anticipated in early-2019.</p> <p>c. DWQ's proposal for combined headwater nutrient criteria includes numeric nutrient criteria and bioconfirmation criteria to protect aquatic life uses in headwater perennial streams. Ecological Response parameters (bioconfirmation criteria) include filamentous algae cover, gross primary production and ecological respiration. DWQ will submit the</p>

**PPA END OF YEAR REPORT FFY18
UTAH DIVISION OF WATER QUALITY**

EPA Goals and Objectives	DWQ Goals and Measures	
		<p><i>technical documents that support the combined criteria for EPA approval.</i></p> <p><i>d. In development</i></p> <p><i>e. Utah continues work on outreach efforts. DWQ met with the Nutrient Technical Team to finalize the recommended numeric nutrient criteria for headwater streams and conduct the final review of the technical basis for the criteria. Additional dialogue has occurred with several important stakeholder groups including the Utah Lake and Jordan River Commissions. DWQ has given numerous public presentations on various aspects of our Nutrient Reduction Program.</i></p> <p><i>f. On-going.</i></p> <p><i>g. On-going.</i></p> <p><i>h. Utah is working on several aspects of these rules. As an adaptive management step, the nutrient strategy includes technology based limits for municipal dischargers. A Technology Based Phosphorous Effluent Limit that limits future TP discharges to 1 mg/l must be achieved by January 1, 2020 (UAC R317-1-3.3) and facility optimization to remove Total Inorganic Nitrogen was encouraged in rule. DWQ is working with the Utah legislature to create a prioritization process for nutrient reduction efforts.</i></p> <p><i>i. Nutrient related TMDLs were prioritized as part of the 303(d) vision process. DWQ is leading a comprehensive process for developing site specific nutrient standards on Utah Lake.</i></p>
	<p>4. Develop and implement a long-term biological assessment program :</p>	<p>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</p>

**PPA END OF YEAR REPORT FFY18
UTAH DIVISION OF WATER QUALITY**

EPA Goals and Objectives	DWQ Goals and Measures
	<p>monitoring strategy.</p> <ul style="list-style-type: none"> b. Collect physical habitat, macroinvertebrate, and periphyton samples at ~50 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. c. Continue to build capacity to digitize both field and biological data and store in a readily accessible database. Create electronic field form linking collected data to database. d. Continue development of modeled diatom MMI and integrate into existing aquatic life assessments. e. Continue compiling an expanded reference water body (streams and rivers) dataset for future assessment tool development. f. 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. g. Continue development of outreach materials (i.e., website, fact sheets, reports) to more completely describe Utah's biological assessment program to our stakeholders. <p>STATUS:</p> <ul style="list-style-type: none"> a. Complete. b. Macroinvertebrate and periphyton data were collected as part of the UCASE program. Physical habitat collection was deferred in 2018 to revamp the database and SOPs. c. DWQ is restructuring the physical habitat database and is in the process of producing

**PPA END OF YEAR REPORT FFY18
UTAH DIVISION OF WATER QUALITY**

EPA Goals and Objectives	DWQ Goals and Measures	
		<p><i>an electronic field form.</i></p> <p><i>d. This project is temporarily on hold. UT diatom data are compiled, national metrics have been obtained (although dated) and the taxa list is mostly current.</i></p> <p><i>e. On-going.</i></p> <p><i>f. Project continually in progress. Both biological and chemical assessment methods have been updated for the combined 2018/2020 IR.</i></p> <p><i>g. Project continually in progress. Website design and layout has been established.</i></p>
	<p>5. Develop and implement a responsive Harmful Algal Bloom Program</p>	<p>a. Continue partnership development of outreach materials that communicate reporting blooms, avoiding risks, and HAB education</p> <p>b. Continue development of agency-wide strategic communication: response, education, messaging and advisories</p> <p>c. Update HAB guidance and SOP documents as necessary</p> <p>d. Improve bloom reporting info and tracking</p> <p>e. Improve collection and reporting efficiency</p> <p>f. Develop early-warning systems at high-risk waterbodies</p> <p>g. Update integrated report assessments related to HABs</p> <p>STATUS:</p> <p>a. On-going. DWQ leads the HAB Communication Workgroup that meets monthly to discuss and develop outreach materials. The Workgroup is made up of response agencies including the Division of Drinking Water, Local Health Departments, Utah Department of Health, State Parks,</p>

**PPA END OF YEAR REPORT FFY18
UTAH DIVISION OF WATER QUALITY**

EPA Goals and Objectives	DWQ Goals and Measures
	<p><i>Division of Wildlife Resources, Utah Poison Control Center, Department of Agriculture and Food and the Utah Water Watch.</i></p> <p><i>b. On-going. DEQ's Communication Office is leading the effort to develop the communication, education and messaging including with the Public Information Officers from the Local Health Departments.</i></p> <p><i>c. DWQ and the Utah Department of Health updated the HAB Guidance and SOP documents in preparation for the 2018 HAB season and in response to the draft EPA recommended HAB criteria. The Guidance and SOP documents were presented to the Water Quality Health Advisory Panel and public comments were solicited. DWQ plans to review the guidance and SOPs on an annual basis.</i></p> <p><i>d. On-going.</i></p> <p><i>e. On-going. With one-time legislative funding, DWQ was able to perform surveillance monitoring at 41 waterbodies statewide.</i></p> <p><i>f. DWQ installed early warning systems on 2 waterbodies that had extensive HABs and high recreational usage.</i></p> <p><i>g. HAB assessment methods were updated for the combined 2018/202 Integrated Report.</i></p>

**PPA END OF YEAR REPORT FFY18
UTAH DIVISION OF WATER QUALITY**

EPA Goals and Objectives	DWQ Goals and Measures	
<p>EPA OBJECTIVE 2.1: Reduce human exposure to contaminants in drinking water, fish and shellfish, and recreation waters, including sources waters.</p> <p>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.</p>	MONITORING AND REPORTING	
	1. Continue phase in of re-tooled monitoring program for DWQ according to established schedules. (WQ- 5)	
	2. Conduct Tier 1 (probabilistic), Tier 2 (targeted) and Tier 3 (programmatic) monitoring on a rotating basin schedule	<p>Tier 1 Monitoring: Probabilistic</p> <ul style="list-style-type: none"> a. Augment reference site dataset and develop improvements to Probabilistic survey design. (Summer/Fall 2018) b. Finalize National Lakes Assessment (Fall 2017) and National Rivers and Streams Assessment (2018) <p>STATUS: Ongoing.</p> <p>a. 15 UCASE probabilistic repeat sites were visited in the Jordan River/Utah Lake Watersheds in conjunction with the ambient intensive sampling program (rotating basin design).</p> <p>b. NLA sites completed in Fall 2017. 18 NRSA sites visited in 2018. The remaining sites (16) will be visited in 2019.</p> <p>Tier 2 Monitoring: Targeted</p> <ul style="list-style-type: none"> a. Complete intensive targeted monitoring in the Jordan River and Utah Lake Watersheds Watershed <p>STATUS: Complete</p> <p>Tier 3 Monitoring: Programmatic Continue to implement a statewide mercury in fish tissue monitoring component as part of the long-term monitoring strategy as funding is available. (Ongoing)</p>

**PPA END OF YEAR REPORT FFY18
UTAH DIVISION OF WATER QUALITY**

EPA Goals and Objectives	DWQ Goals and Measures
	<p>a. Utilize established workgroup to provide guidance and recommendations for the mercury monitoring program. (Ongoing)</p> <p>b. Participate in the issuing of mercury fish consumption advisories as needed. (Ongoing)</p> <p>c. Participate in triennial review preparations/discussion pertaining to Hg.</p> <p>STATUS: Ongoing</p> <p>TMDL monitoring</p> <p>a. Discharge in large rivers (ongoing)</p> <p>Surface Water Compliance</p> <p>a. Increased DMRs</p> <p>b. Continue to Implement QUAL2K model sampling for permit renewal and wasteload development</p> <p>STATUS: Ongoing</p> <p>NPS Effectiveness Monitoring</p> <p>a. Implement pilot study for Long-term monitoring stations to assess effects watershed restoration, long term trends and climate change and develop site specific sampling plans.</p> <p>STATUS: Ongoing</p> <p>E. coli cooperative monitoring</p> <p>a. Continue implementation of monitoring program for <i>E. coli</i> to facilitate more rigorous assessment of recreational beneficial uses (ongoing)</p>

**PPA END OF YEAR REPORT FFY18
UTAH DIVISION OF WATER QUALITY**

EPA Goals and Objectives	DWQ Goals and Measures	
		STATUS: Ongoing
	<p>3. Fully implement quality assurance system for water quality division including QAPPs, SOPs, annual monitoring plans, and new documentation requirements for continuous monitoring.</p>	<p>a. Implement overhauled quality assurance system for water quality division</p> <ul style="list-style-type: none"> i. New documentation requirements for continuous monitoring stations will be developed as part of the scoping and planning of pilot study (ongoing) ii. 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) <p>b. Training in revised SOPs and QAPPs (ongoing)</p> <p>STATUS: Ongoing</p>
	<p>4. Complete development and initiate roll-out of data management tools based on WQX, AQWMS, ATTAINS</p>	<p>a. Data management tool roll-out and deployment within water quality division</p> <ul style="list-style-type: none"> i. AWQMS: Ongoing testing and use by partners. Database populated with up-to date datasets and system in place for periodic uploads to WQX (ongoing) <p>b. Training</p> <p>STATUS: Completed and ongoing.</p>
	<p>5. Integrate monitoring strategy elements to full operating levels, including update of monitoring strategy and annual monitoring plan for public comment; ongoing maintenance of cooperative monitoring/statewide monitoring council, and monitoring-related website elements</p>	<ul style="list-style-type: none"> a. Finalize monitoring strategy and place on website for public comment (Fall 2017) b. Continue to apply for the 106 Monitoring Initiative funds to address data gaps and needs identified in monitoring strategy and to produce state-scale probability survey results. c. Continue promotion, chairmanship and support of the Statewide Monitoring Council to facilitate coordination of monitoring

**PPA END OF YEAR REPORT FFY18
UTAH DIVISION OF WATER QUALITY**

EPA Goals and Objectives	DWQ Goals and Measures	
		<p>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:</p> <ul style="list-style-type: none"> i. Equipment and supplies ii. Training iii. Data management <p>d. Maintain water quality monitoring council website</p> <p>STATUS: Completed and ongoing.</p>
	<p>6. Finalize the Assessment Methodology for inclusion with the Integrated Report for final public comment (Winter 2018) STATUS: The Assessment Methodology for the combined 2018/2020 Integrated Report was completed and is currently out for public comment until December 7, 2018. Responses will be incorporated and the method will be finalized.</p> <p>7. Complete 2018 Integrated Report analysis of water quality data for submission to EPA April 1, 2018</p> <ul style="list-style-type: none"> a. Work with Standards and Technical Services Section to develop Statewide Statistical Survey and Lakes Assessment Chapters. b. Integrate Public Comments into final Report c. Submit the 2018 Integrated Report using the new ATTAINS system as the system of record for 303 (d) lists of impaired waters needing TMDLs to achieve water quality standards d. Submit the 2018 integrated report information electronically to the new ATTAINS system. Transmit water quality data to EPA using the WQX framework to satisfy the general obligation to report water quality data annually. <p>STATUS: DWQ is on schedule to complete an on-time combined 2018/2020 Integrated Report.</p>	

**PPA END OF YEAR REPORT FFY18
UTAH DIVISION OF WATER QUALITY
Table 1: UIC Reporting**

Due Date	Reporting Cycle	Report Required
May 15	Semi-Annual	<p>Electronic submittal to UIC National Database for First and Second Federal Fiscal Year Quarters (October 1 through March 31)</p> <p><i>STATUS: Completed. The National UIC Database was retired in February 2018. EPA has reverted to the submission of 7520 reporting data. The Utah Automated Geographic Reference Center (AGRC) created a C# application which queries the Utah Geodatabase and populates the pdf form fields of the five 7520 pdf forms. These forms were sent to EPA Region 8 on May 15. A mid-year summary was sent to EPA Region 8 prior to the mid-year program review conference call.</i></p>
November 15	Annual	<p>Electronic submittal to UIC National Database for First, Second, Third, and Fourth Federal Fiscal Year Quarters (October 1 through September 30)</p> <p><i>STATUS: Completed. Utah submitted the EOY UIC Program Summary Narrative to EPA Region 8 in a letter dated November 2, 2018 along with the five EOY 7520 pdf forms. UIC Inventory information was entered into the Inventory and Measures Reporting System (IMRS). On August 30, 2018 EPA HQ sent an email informing DI and Primacy programs that by April 2019 EPA will no longer be accepting the five 7520 pdf forms for the reporting of the 7520 data. Instead a web service will be developed for accepting this data via Excel spreadsheets or .csv files. The Utah UIC Program worked with AGRC in revising the aforementioned C# application to write the 7520 data and UIC inventory to three .csv templates instead of the pdf forms. This process has been successfully demonstrated so Utah will be able to submit its reporting data in April 2019 using this new system.</i></p>
December 31	Annual	<p>Final Financial Status Report (FSR)</p> <p><i>STATUS: Completed</i></p>

**PPA END OF YEAR REPORT FFY18
UTAH DIVISION OF WATER QUALITY
Multi-purpose Grant: Statewide Lakes Phytoplankton Bloom Monitoring**

EPA Goal and Objective	EPA Measurement	DEQ Goal	DEQ Measure
Goal 2: Protecting America's Waters Objective 1: Protect human health Objective 2: Protect and Restore Watersheds and Aquatic Ecosystems	Objective 2.1: Water Safe to Drink Water Safe for Swimming Objective 2.2 Improve Water Quality on a Watershed Basis	Collect high-frequency water quality data to evaluate the spatial and temporal coverage of phytoplankton with an emphasis on cyanobacteria/cyanotoxin events at high risk lakes	Purchase 2 monitoring buoys, 2 data sondes and 80 toxin test kits by May, 2017 STATUS: Completed and deployed. Since the toxin test strips have a shelf life of 1 year, DWQ reserved funds to purchase additional kits for the 2018 season.
		Prepare a Sampling Analysis Plan by May, 2017 STATUS: Completed	
		In June, 2017, deploy monitoring bouy and data sonde each in 2 high risk lakes. Collect bi-monthly data from June to October with increased sampling during HAB events. Redeploy in June, 2018 with same frequency of sampling STATUS: Completed. For the 2018 HAB season DWQ redeployed the buoys on Utah Lake and Scofield Reservoir.	
		Determine minimum required data necessary to detect harmful algal bloom events that trigger monitoring, advisories and corrective action	Create, download and maintain a database specific to this project. STATUS: In development
		Analyze data to determine minimum required data for monitoring, advisories and corrective action STATUS: In development	
		Post results on the DEQ website: http://www.deq.utah.gov/Pollutants/H/harmfulalgalblooms/ STATUS: Ongoing	
Share results with the HAB working group, Water Quality Health Advisory Panel and local health departments STATUS: Completed and ongoing			

**PPA END OF YEAR REPORT FFY18
UTAH OFFICE OF SUPPORT SERVICES**

EPA Goal and Objective EPA Measure	UDEQ Goal	UDEQ Measure
Cross-cutting Strategy: Expanding the Conversation on Environmentalism	I. ENVIRONMENT GOAL: 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 FY2018 PPA is successfully coordinated and final document is submitted to EPA. STATUS: <i>Deadlines were met and the PPA was signed</i> b. Process for completion of End-of-Year Report for FY 2017 PPA is coordinated with Divisions and is submitted to EPA. STATUS: <i>End of Year Report was submitted in mid-December, 2017</i>
Supports all Strategic Goals	II. CUSTOMER SERVICE GOAL: Operate as a customer-oriented agency by focusing on customer service, trust, and problem-solving through teamwork and partnership.	
	<u>Auditor</u> 1. Perform internal and fee audits as assigned by the Audit Committee. 2. Provide financial assurance assistance to Divisions 3. Perform an annual review of the DEQ hourly fee for reasonableness.	Goals are accomplished STATUS: Achieved and ongoing. Audits are completed on requests. In FFY18, DEQ divisions GRAMA response within 10-day were DAQ (95%), DDW (100%), DERR (100%), DWMRC (99%) and DWQ (99%). EDO response (98%).
	<u>Other Services</u> Coordinate all GRAMA requests received and ensure each is answered in the allotted 10-day period of time.	

**PPA END OF YEAR REPORT FFY18
UTAH OFFICE OF SUPPORT SERVICES**

EPA Goal and Objective EPA Measure	UDEQ Goal	UDEQ Measure
Supports all Strategic Goals	III. STATE-BASED REGULATION OF ENVIRONMENTAL PROGRAMS GOAL: Take an active role to help influence and develop rules and programs that are consistent with and help Utah achieve its needs.	Complete the PPG grant and all necessary amendments and changes within prescribed due dates. STATUS: <i>Applicable applications done timely.</i>
	OSS Continue to provide the financial application for the Performance Partnership Grant.	
Cross-cutting Strategy: Strengthening Partnerships	IV. PARTNERSHIP WITH FEDERAL, STATE, LOCAL AND TRIBAL GOVERNMENTS GOAL: Assist with ensuring effective delivery of environmental services through intergovernmental collaboration.	a. Participation in CLEHA, Local Health Officers' Association, Local Boards of Health, and UEHA meetings. STATUS: <i>DEQ continues to meet with these groups</i> b. Process for the one-year contracts is successfully coordinated and completed. STATUS: <i>All contracts were finalized and signed.</i>
	<u>Local Health Liaison</u> 1. Facilitate strong relationship between UDEQ and the Local Health Departments.	

**PPA END OF YEAR REPORT FFY18
UTAH OFFICE OF SUPPORT SERVICES**

EPA Goal and Objective EPA Measure	UDEQ Goal	UDEQ Measure
		<p>d. Partnership and Governance meetings are effective and issues raised are tracked and resolved.</p> <p>STATUS: <i>Partnership and Governance meetings are planned with the Local Health Department representatives and issues are tracked and resolved.</i></p>
Supports all Strategic Goals	<p>V. EMPLOYEES</p> <p>GOAL: Fully utilize our major resource.</p>	<p>1. Regular leadership-training classes are held. 2. Follow-up activities in sections and branches are facilitated, as requested 3. Individual employees are coached, as requested.</p> <p>STATUS: <i>Ongoing</i></p>
	<p><u>Leadership Training</u></p> <p>Support UDEQ leadership development initiative.</p>	

**PPA END OF YEAR REPORT FFY18
UTAH OFFICE OF PLANNING AND PUBLIC AFFAIRS
Indoor Radon Grant**

EPA Goal and Objective	EPA Measurement	UDEQ Goal	UDEQ Measure
Goal 1: Improve Air Quality	Reduce Exposure to Indoor Air Pollution	Continue the fundamental activities regarding the EPA Radon Grant.	1. Promote new home construction with radon resistant technology.
			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 2018 Spring Home Builders Annual Conference. STATUS: Working with Builders to encourage building with Radon Resistant New Construction (RRNC).
			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. STATUS: Accomplished by working with the Builders in the State of Utah to encourage building with RRNC.
			c. Promote Radon Resistant New Construction by reaching out to Utah home builders through personal contacts, educational courses, advertising, and home show exhibits. STATUS: Successful in promoting RRNC with the builders, homeowners, municipalities that are in the building mode for their township.
d. Assist Utah Habitat for Humanity in its building projects by providing RRNC training. Assist Green and			

**PPA END OF YEAR REPORT FFY18
UTAH OFFICE OF PLANNING AND PUBLIC AFFAIRS
Indoor Radon Grant**

EPA Goal and Objective	EPA Measurement	UDEQ Goal	UDEQ Measure
			<p>Healthy Homes with providing mitigation and RRNC training.</p> <p>STATUS: <i>Worked successfully with Habitat and GHHI to educate and train staff and team members about RRNC and other radon issues.</i></p> <hr/> <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. Recognition will happen at EPA Region 8 Conference in Utah 2018.</p> <p>STATUS: <i>Will recognize home builders that build all homes with RRNC at this year's conference. Presented at GHHI's National Conference.</i></p> <hr/> <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>STATUS: <i>Successfully been a part of the planning committee for the National Radon Conferences and Symposiums. Also been able to attend the conferences and trainings. Participate in webinars.</i></p> <hr/> <p>2. Support disclosure, testing and mitigation in conjunction with Real Estate transfers.</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</p>

**PPA END OF YEAR REPORT FFY18
UTAH OFFICE OF PLANNING AND PUBLIC AFFAIRS
Indoor Radon Grant**

EPA Goal and Objective	EPA Measurement	UDEQ Goal	UDEQ Measure
			<p>(DRE) and will be held throughout various areas.</p> <p>STATUS: Taught over 20 courses for realtors. Realtors receive CE credit for the course. Taught over 400 realtors.</p>
			<p>b. Coordinate annual meetings for radon mitigators, measurement providers, and home inspectors to clarify EPA standards and protocols.</p> <p>STATUS: Planned and held about four meetings for mitigator and measurement professionals.</p>
			<p>c. Recognize and acknowledge Realtors who are radon educated on the DRC website.</p> <p>STATUS: Acknowledged the realtors on the UDEQ website for taking the "Radon for the Real Estate Professional" course.</p>
			<p>3. Develop coalitions with local governments, partner affiliates and other radon risk reduction leaders.</p>
			<p>a. Continue working with Utah's 13 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.</p> <p>STATUS: Proficient at establishing great working relationships and collaborations with the 13 local Health Districts.</p>

**PPA END OF YEAR REPORT FFY18
UTAH OFFICE OF PLANNING AND PUBLIC AFFAIRS
Indoor Radon Grant**

EPA Goal and Objective	EPA Measurement	UDEQ Goal	UDEQ Measure
			<p>b. Continue working with the Huntsman Cancer Institute in raising awareness in the state. Outreach activities will include attending the 2018 University Health Care Be Well Utah Family Health Fair.</p> <p>STATUS: Collaborate with them several times yearly and have effective relationships and outreach.</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.</p> <p>STATUS: Successful completion of these activities.</p>
			<p>d. Provide assistance when requested by tribal organizations throughout Utah (specifically, the Confederate Goshute tribe and the Northern Arapohoe tribe).</p> <p>STATUS: Masterfully completed this project. Have had the opportunity to work with both of these wonderful groups over the course of 2018.</p>
			<p>e. Continue partnership with Intermountain Health Care (IHC) and other women/newborn centers by supplying hospitals with newborn radon packet information, which started December 2003 (FY04)</p> <p>STATUS: Continues to be extremely fruitful way of getting the word about radon out and testing</p>

**PPA END OF YEAR REPORT FFY18
UTAH OFFICE OF PLANNING AND PUBLIC AFFAIRS
Indoor Radon Grant**

EPA Goal and Objective	EPA Measurement	UDEQ Goal	UDEQ Measure
			<p>f. Develop coalition with the Green and Healthy Homes Initiative (GHHI) Salt Lake Coalition to do radon testing in unhealthy homes throughout Salt Lake County.</p> <p>STATUS: <i>Measurable success with GHHI and testing and mitigating homes in Salt Lake County</i></p>
			<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 eagle scout projects.</p> <p>STATUS: <i>Accomplished skillfully with the assistance of my local health department experts and aforementioned groups to get the word out. Utah will have a governor's declaration for 2019 and the governor has agreed to meet with the radon poster contest winners and their teacher and family.</i></p>
			<p>h. Promote state radon legislation as opportunities arise.</p> <p>STATUS: <i>Continue to be the expert for the legislative process when questions arise.</i></p>
			<p>4. Determine (track) and measure results with respect to awareness levels, testing frequency, mitigation, and radon resistant new construction.</p> <p>a. Continue to track local and national media articles about radon and the health hazard associated with exposure to elevated levels.</p>

**PPA END OF YEAR REPORT FFY18
UTAH OFFICE OF PLANNING AND PUBLIC AFFAIRS
Indoor Radon Grant**

EPA Goal and Objective	EPA Measurement	UDEQ Goal	UDEQ Measure
			<p>STATUS: <i>Tracking articles both locally and nationally is extremely helpful when looking at outreach and how our program can be more successful.</i></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>STATUS: <i>Adept at tracking educational opportunities and thinking of new creative approaches to how to get the word out about radon.</i></p>
			<p>c. Continue to track phone calls, visits on the DEQ Radon website (www.radon.utah.gov), and email inquiries.</p> <p>STATUS: <i>Tracking phone calls, web hits to UDEQ website for the radon page and e-mails.</i></p>
			<p>d. 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>STATUS: <i>Track and report the number of homes that are testing in the state of Utah for radon. Also tracking the number of homes that Professional Measurement Professionals are testing.</i></p>
			<p>e. Continue to track and provide annual reports of the number of homes built with RRNC, based on information provided by local home builders.</p> <p>STATUS: <i>Tracking the number of RRNC being built into new homes via builders and certified mitigators.</i></p>

**PPA END OF YEAR REPORT FFY18
UTAH OFFICE OF PLANNING AND PUBLIC AFFAIRS
Indoor Radon Grant**

EPA Goal and Objective	EPA Measurement	UDEQ Goal	UDEQ Measure
			<p>f. Continue to track free radon test kit orders that come through the IHC newborn radon packets.</p> <p>STATUS: <i>Tracking the Newborn Radon coupon orders. We keep data on how many coupons go to the different hospitals, from which hospitals we receive the coupon, etc.</i></p> <hr/> <p>g. Continue to track the number of homes mitigated quarterly by radon mitigation service providers.</p> <p>STATUS: <i>Collecting data on number of homes mitigated by certified radon mitigators.</i></p> <hr/> <p>5. Testing and, where necessary, mitigating schools for radon and radon decay progeny.</p> <hr/> <p>a. Educate School District Administrators about the health hazard associated with exposure to radon and promote radon testing in schools.</p> <p>STATUS: <i>Educated Utah County school districts alongside BYU professors about the health hazard of exposure to radon. Encouraging testing in all school districts throughout the state. Will be testing all three school districts in Utah County (approximately 300 schools).</i></p> <hr/> <p>b. Provide discounted radon test kits to school districts for testing, as requested.</p> <p>STATUS: <i>Provide radon test kits to school districts for testing of schools. Also provide continuous radon monitor testing in schools where elevated levels were found.</i></p>

**PPA END OF YEAR REPORT FFY18
 UTAH OFFICE OF PLANNING AND PUBLIC AFFAIRS
 Indoor Radon Grant**

EPA Goal and Objective	EPA Measurement	UDEQ Goal	UDEQ Measure
			<p>c. Continue assisting school districts with education and radon testing programs. STATUS: <i>Working with school districts with education and radon testing programs.</i></p> <hr/> <p>d. Solicit school districts to participate in National sponsored "Radon in Schools" Webinars. STATUS: <i>Successful in promoting and Webinars "Radon in Schools" to school districts.</i></p>

**PPA END OF YEAR REPORT FFY18
UTAH OFFICE OF PLANNING AND PUBLIC AFFAIRS
Pollution Prevention and Stakeholder Involvement**

EPA Goal and Objective	EPA Measurement	UDEQ Goal	UDEQ Measure
Cross-cutting Strategy: Working Toward a Sustainable Future		ENVIRONMENT	
		<p>GOAL #1: Partner with the Department and Divisions in planning and policy initiatives.</p> <p>Internal Support Objectives:</p> <p>1. Provide public affairs support for UDEQ initiatives and, on request, to statewide initiatives.</p>	<p>As opportunities arise, UDEQ is represented in meetings and information is coordinated through appropriate Department channels.</p> <p>a. Assistance is provided in developing strategies to identify issues and encourage stakeholder participation. Informational and outreach support is provided.</p> <p>STATUS: Ongoing</p>
Goal 4.2 Promote Pollution Prevention	Prevent Pollution and Promote Environmental Stewardship	GOAL #2: Facilitate integration of Pollution Prevention initiatives in UDEQ and throughout the State.	
		<p>Pollution Prevention Objectives:</p> <p>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 shared with others on UDEQ websites. Promote P2 through award recognition in addition to Clean Utah.</p>	<p>a. Number of new Clean Utah participants. STATUS: Growth in Clean Utah has remained unchanged but current Partners remain active in maintaining and implementing new P2 strategies. TRI and a possible hazardous materials exchange is providing additional opportunities for members.</p> <p>b. Pollution reductions realized through these efforts in business or industry. STATUS: Clean Utah Partner Annual Reports included: Reduced Electricity consumption by 774,381 kWh; reduced solid waste by 1.39 MMT, Reduced 18,648.6 MTCO_{2e}; reduced 30.1 metric tons of NO_x; reduced water usage by 13,972,684 gallons; and Partners reported an Economic Benefit of \$2,614,328 from programs implemented through Clean Utah.</p> <p>c. Successful recognition event held</p>

**PPA END OF YEAR REPORT FFY18
UTAH OFFICE OF PLANNING AND PUBLIC AFFAIRS
Pollution Prevention and Stakeholder Involvement**

EPA Goal and Objective	EPA Measurement	UDEQ Goal	UDEQ Measure
		<p>2. Promote P2 practices and tools that are available to businesses through DEQ's BizHelp Webpage. P2 tools and resources will emphasize ways to reduce emissions and use of hazardous materials and conserve natural resources, including water and energy resources.</p>	<p>STATUS: DEQ Partnered with the Governor's Office of Energy Development, Utah Clean Energy and the Intermountain Industrial Assessment Center in sponsoring the 2018 Excellence in Energy Efficiency Awards which were held on September 19, 2018, and promoted through the Clean Utah Program.</p> <p>a. Number of web hits on DEQ BizHelp Webpages STATUS: 4753 web hits by 3309 unique users on BizHelp and Clean Utah webpages.</p> <p>b. Number of new and ongoing partnerships. STATUS: New Partnerships: The Intermountain Industrial Assessment Center and the Manufacturing Extension Partnership at the University of Utah. Existing and Continuing Partnerships: Holbrook Service, Alpine Body Shop, Utah Auto Body Association, Utah Clean Energy and Utah Governor's Office of Energy Development, Momentum Recycling, Salt Lake Chamber, UDOT's TravelWise, 3form Materials Solutions, Utah Food Services, National Energy Foundation, 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, Xanterra-Zion Lodge, Utah Transit Authority, Autoliv, Hexcel Corporation, Firestone</p>

**PPA END OF YEAR REPORT FFY18
UTAH OFFICE OF PLANNING AND PUBLIC AFFAIRS
Pollution Prevention and Stakeholder Involvement**

EPA Goal and Objective	EPA Measurement	UDEQ Goal	UDEQ Measure
			<i>Building Products, Circle Four Farms, Granite Construction, Red Hanger Cleaners, Weber State University, Tear-a-Part, USANA.</i>
		<p>3. Promote P2 practices through the Toxic Release Inventory (TRI) tool identifying effective environmental practices that will lead to measurable improvements.</p> <p>Promotion of the TRI P2 tool is to be combined with broader outreach to business in the areas of compliance and permitting assistance as well as with recognition programs. Businesses and institutions will be encouraged to develop options for the replacement and reduction of the use of toxic chemicals.</p> <p>DEQ will recognize and highlight successes and promote effective practices to similar businesses in the state.</p>	<p>a. Number of facilities contacted in promotion of TRI P2. STATUS: TRI P2 and Hazardous Chemicals P2 promoted to 100 Utah businesses in DEQ Hazardous Waste Workshops on May 22 and May 24, 2018. On May 23, 2018, the same information was presented at Utah Clean Air Printing Industry Workshop to an Audience of 75.</p> <p>b. Number of facilities adopting P2 plans associated with TRI' STATUS: At least one Clean Utah Partner is reporting a TRI P2 project.</p> <p>c. Pollution reductions realized through these efforts in business or industry. STATUS: Ongoing, Clean Utah Partners collecting metrics.</p> <p>d. TRI and hazardous waste P2 case studies added to DEQ Bizhelp pages. STATUS: Pollution Prevention (P2) for Hazardous Chemicals resource page added to DEQ's BizHelp website</p>
		4. Track P2 grant spending and complete midyear and annual grant objectives	<p>a. Grant objectives met. b. State budget review and planning completed. c. Positive feedback received from EPA and State grant/finance offices. STATUS: Grant proposal and annual reports submitted on time meeting the objectives of this grant.</p>

**PPA END OF YEAR REPORT FFY18
UTAH OFFICE OF PLANNING AND PUBLIC AFFAIRS
Pollution Prevention and Stakeholder Involvement**

EPA Goal and Objective	EPA Measurement	UDEQ Goal	UDEQ Measure
		<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.</p>	<p>a. Assistance provided</p> <p>STATUS: Ongoing. Worked with UCAIR on TAG for wood stove exchanges.</p>
		<p>GOAL #3: Promote a sustainable relationship between economic development and environmental protection by coordinating work with businesses and related organizations.</p>	
		<p>Business Assistance Objectives:</p> <p>1. Facilitate UDEQ cross-media business assistance.</p>	<p>a. Businesses making phone or e-mail contact to PPA receive informational assistance. STATUS: Responded to requests for information and assistance through 123 phone calls and 37 email.</p> <p>b. Pre-design meetings are held. STATUS: Conducted three Pre-design meetings.</p> <p>c. Cross-divisional, sector specific focus in outreach activities developed and implemented, as appropriate. STATUS: Responded to requests for information and assistance through phone calls and email.</p> <p>d. Business assistance Web pages are regularly updated. STATUS: Ongoing.</p> <p>e. Opportunities are taken to encourage consistent business assistance policies within UDEQ. STATUS: Ongoing.</p>

**PPA END OF YEAR REPORT FFY18
UTAH OFFICE OF PLANNING AND PUBLIC AFFAIRS
Pollution Prevention and Stakeholder Involvement**

EPA Goal and Objective	EPA Measurement	UDEQ Goal	UDEQ Measure
			<p>f. Regular coordination with GOED, EDCU, business assistance providers, Chambers of Commerce, and professional associations. STATUS: STATUS: <i>Routinely coordinates with the Governor's Office of Economic Development, Economic Development Corp of Utah, and Utah Manufacturers Association. Upon request provides EDCU Business Development with assistance on issue associated with DEQ and impacting new business development.</i></p>
		<p>2. Serve as Small Business Ombudsman for UDEQ.</p>	<p>a. Air Quality Small Business Compliance Panel remains active and quarterly meetings are held. STATUS: Small Business CAP remains active with quarterly meetings and additional email and phone updates. All vacancies except one have been filled.</p> <p>b. Availability of ombudsman is promoted on website and as part of informational presentations, as appropriate. STATUS: Information and contacts are provided on appropriate webpages. Ombudsman page updated and linked from DEQ Home page.</p> <p>c. Number of businesses contacted for DEQ feedback. STATUS: A total of 353 businesses contacted directly for feedback.</p> <p>d. Number of responses from business. STATUS: A total of 91 businesses responded via the Ombudsman Customer Online Survey</p>

**PPA END OF YEAR REPORT FFY18
UTAH OFFICE OF PLANNING AND PUBLIC AFFAIRS
Pollution Prevention and Stakeholder Involvement**

EPA Goal and Objective	EPA Measurement	UDEQ Goal	UDEQ Measure
			<p>e. Issues brought to ombudsman are appropriately handled. STATUS: Ongoing. Responded to requests for assistance through phone calls and email.</p> <p>f. Opportunities are taken to encourage small business considerations in UDEQ policy development. 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.</p> <p>g. Small businesses receive assistance with UDEQ permitting process and other programs as needed. STATUS: Ongoing through Pre-design and website and with an online tool "Permit Wizard" on the DEQ website.</p> <p>h. Annual EPA Small Business Assistance Program report is completed. STATUS: Ongoing</p>
<p>Cross-cutting Strategy: Working Toward a Sustainable Future</p>	<p>CUSTOMER SERVICE</p> <p>GOAL #4: Provide public information and participation opportunities.</p> <p>Public Education Objectives: Design and implement issue-specific campaigns to inform and involve the public.</p>		<p>a. Proactively employ traditional and social media to inform public of issues and programs. b. Employ DEQ's website as a databank of detailed, project-specific information.</p> <p>STATUS: Ongoing</p>

**PPA END OF YEAR REPORT FFY18
UTAH OFFICE OF PLANNING AND PUBLIC AFFAIRS
Pollution Prevention and Stakeholder Involvement**

EPA Goal and Objective	EPA Measurement	UDEQ Goal	UDEQ Measure
		Stakeholder Involvement Objectives: As needed assist DEQ programs and project managers with outreach and web resources for specific projects	a. Assistance Provided. STATUS: <i>Ongoing</i>
Cross-cutting Strategy: Working Toward a Sustainable Future		Media Relations Objective: 1. Assist PIO with UDEQ media relations. 2. Utilize and Improve UDEQ's Web site to proactively highlight issues and keep it current and relevant.	a. Web site improved for better customer service. b. PIO back-up is provided. c. UDEQ media policy is followed. STATUS: <i>Ongoing. Web refresh that includes conversion to new management system is a multi-year phased project that is 40% complete.</i>
		Branding Objective: Continue to define and establish DEQ's brand to help the public better engage with DEQ.	a. Continued development and promotion of DEQ's brand. STATUS: <i>Ongoing. Promoting DEQ's mission, vision and values as part of our overall communications.</i>