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**Utah DEQ
FFY20 PPA End of Year Report
December 2020**

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Introduction

This End of Year Report documents the accomplishments of the Utah Department of Environmental Quality under the FFY20 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 an effective mechanism to “set out jointly-developed priorities and protection strategies” and to “work together to address priority needs.”¹

¹ <https://www.epa.gov/ocir/national-environmental-performance-partnership-system-nepps##Per%20Par%20Agreements>

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DIVISION OF AIR QUALITY**

EPA Goal and Objective	EPA Measurement	UDEQ Goal	UDEQ Measure
<p>Goal 1: Work with states to accurately measure air quality and ensure that more Americans are living and working in areas that meet high air quality standards.</p>	<p>Reduce Criteria Pollutants and Regional Haze</p>	<p>1. Develop and implement appropriate SIPs and Maintenance Plans for all areas of the state.</p>	<p>a. State develops all State Implementation Plan revisions, including appropriate Maintenance Plans, required to meet federal law and submits them to EPA for their review and approval according to the established timeframe. STATUS: The State and EPA have worked closely on several important SIP issues this year. As a result, the EPA has fully approved Utah’s SIP for Regional Haze, PM10, and proposed approval of Utah’s SIPs for PM2.5. The State continues to work with EPA to review the potential for using 179B to determine if international pollution is keeping the Wasatch Front from attaining the ozone NAAQS. Staff are also working on the Regional Haze SIP for the second planning period, working with EPA on a replacement SO2 Maintenance Plan, and working with EPA and the Ute Tribe to develop the emissions inventories and modeling necessary for developing a SIP for ozone for the Uinta Basin.</p>
		<p>2. Develop and improve appropriate inventories.</p>	<p>b. All measures contained in the SIP approved by the Air Quality Board are fully implemented. STATUS: Utah has implemented all control measures contained in plans submitted to EPA.</p>
			<p>a. The Title V inventory is prepared by April 15. b. Required inventory data is entered into the NEI by December 31. c. Non-HAP/non-Criteria/non-MACT regulated pollutants are inventoried as required by federal rules. d. The inventories required for the SIPS and Maintenance Plans are developed as required and appropriate technical support for each is submitted to EPA for their review with the applicable plan. STATUS: a. The Title V Emissions Fee invoicing was prepared by August 15, 2020.</p>

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			<ul style="list-style-type: none"> b. All of the required inventory data for sources within State jurisdiction, including point, area, mobile, and non-road inventories, are on track to be submitted to the NEI by the due date. c. Non-HAP/non-Criteria/non-MACT inventories for sources within State jurisdiction will be submitted by January 15, 2021. d. All Episodic, base-year, and projected-year inventories required for SIP development are being developed and documented within the appropriate TSDs, taken out for public comment and submitted to EPA with the SIP packages.
		<p>3. Continue to meet federal requirements for PSD increment tracking.</p>	<p>a. Increment consumption for major sources in PSD areas is tracked as permits are issued. STATUS: Class I and Class II increment analyses were completed for all PSD permit applications.</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>	<ul style="list-style-type: none"> a. The annual Monitoring Network Plan is completed and submitted to EPA by July 1. The monitoring network is evaluated and modified to reflect the most recent changes in funding and national monitoring requirements to optimize the network. b. The PM2.5 monitoring network is maintained and operated as appropriate funding is received from EPA. c. Monitoring data are submitted to EPA 90 days after each quarter. d. Locations for new monitoring sites are based on current emission inventories, air quality modeling and EPA regulation. e. Staff works with EPA to assess the impacts of changes to 40 CFR 58, and continues planning for the implementation of those changes (National Monitoring Strategy/NCORE Monitoring Network).

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EPA Goal and Objective	EPA Measurement	UDEQ Goal	UDEQ Measure
			<p>f. The National Air Toxics Trends site in Bountiful is operated in accordance with NATTS QAPP with appropriate updates.</p> <p>g. An appropriate response to each identified National Ambient Air Quality Standards (NAAQS) violation is prepared and submitted to EPA.</p> <p>h. The annual certification of each year's data is completed by the May 1 annual certification date.</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>j. Continue operating the PAMS as included in the most current Annual Monitoring Network Plan contingent upon available funding from EPA.</p> <p style="padding-left: 20px;">a. STATUS: The annual network plan was completed and made available for public comment on June 8, 2020. The final document was submitted to EPA on August 13, 2020.</p> <p style="padding-left: 20px;">b. The PM_{2.5} monitoring network was maintained and operated as funded by EPA.</p> <p style="padding-left: 20px;">c. Raw data are generally submitted to EPA within 90 days or sooner after each quarter.</p> <p style="padding-left: 20px;">d. 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.</p> <p style="padding-left: 20px;">e. The required NCORE monitoring continues.</p> <p style="padding-left: 20px;">f. The National Air Toxics Trend site in Bountiful is operating. Samples have been collected and submitted to EPA's contract</p>

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EPA Goal and Objective	EPA Measurement	UDEQ Goal	UDEQ Measure
			<p>lab. The data have been reviewed and approved for submittal into EPA’s AQS data base.</p> <p>g. 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. Certification of 2019 data was completed and submitted to EPA on February 24, 2020.</p> <p>i. UDAQ continues to operate the Price monitor in support of the Three-State study goals. This monitor is classified as special purpose and all data is submitted to AIRS. UDAQ staff participates on the 3-State Project steering committee and helped develop the study plan. The monitoring portion of the study was completed on December 31, 2013, but the state continues to operate the site and will continue to operate the site as long as Three-State funding is available. 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.</p> <p>j. Even though the PAMS monitoring is still unfunded by EPA, PAMS equipment has been installed and is running and will</p>

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EPA Goal and Objective	EPA Measurement	UDEQ Goal	UDEQ Measure
		5. Maintain the compliance status of air pollution sources in the state.	<p style="text-align: center;">continue to run pending funding and available resources.</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 (CMS). Ensure that CMS sources are flagged in the Integrated Compliance Information System (ICIS-AIR) for inspection, ensure that federally-reportable and high priority violations and associated enforcement actions are timely and correctly identified in ICIS-AIR.</p> <p>b. Asbestos notification, certification and outreach programs are continued, and at least 120 on-site inspections are performed.</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:</p> <p>a. The Compliance Monitoring Strategy for FFY 2020 was submitted to USEPA Region VIII on November 3, 2020.</p> <p>b. Asbestos notification, certification and outreach programs were operated and inspections were performed at 149 sites.</p> <p>c. The AHERA Grant work program was completed and submitted in a separate report.</p>
		6. Implement the Operating Permits Program meeting the current requirements of Title V, CAAA 1990, and the Utah Air Conservation Act.	<p>a. An Operating Permits Program is continued as described in program approval from EPA.</p> <p>b. The provisions of the Acid Rain Act and 40 CFR Part 72 and Part 76 are implemented.</p> <p>a. STATUS: The Operating Permits Program has been implemented as outlined in the</p>

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EPA Goal and Objective	EPA Measurement	UDEQ Goal	UDEQ Measure
			<p>program approval from EPA. The Title V Permits have been issued as expeditiously as possible.</p> <p>b. 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>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:</p> <p>a. Air quality modeling was completed for major and minor source applications according to R307-410-3.</p> <p>b. This is an ongoing process that is performed continually.</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>b. Rules, regulations, procedures, policies, and protocols are complied with.</p> <p>c. Regulatory activities are documented, including the appropriate technical support.</p> <p>d. The State and EPA agree on the adequacy of air program results.</p> <p>STATUS:</p> <p>a. On-going – All statistics were collected for site inspections, monitoring, inventory, etc. following the existing QA protocols.</p> <p>b. UDAQ complies with all rules, regulations, procedures, policies and protocols.</p> <p>c. All commitments were met or exceeded. Data to verify that commitments were met is in AIRS.</p>

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EPA Goal and Objective	EPA Measurement	UDEQ Goal	UDEQ Measure
		<p>9. Maintain the small business environmental assistance program (SBEAP) to actively assist small businesses to comply with rules of the Board.</p>	<p>d. UDAQ and EPA Region VIII confer regularly on the results of the air program implementation.</p> <p>a. Educational Assistance is offered to all small businesses affected by adopted NSPS and NESHAP standards.</p> <p>b. As appropriate, the Small Business Compliance Advisory Panel's role is modified to increase the effectiveness of the SBEAP.</p> <p>c. On-site assistance is provided when requested.</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>e. Assistance tracking is modified as appropriate to better provide and measure assistance needs.</p> <p>STATUS:</p> <p>a. Assistance provided as needed and online resources are available from the DAQ Small Business Environmental Assistance Program website.</p> <p>b. 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.</p> <p>c. Assistance is provided to businesses when needed.</p> <p>d. The work plan is modified at each panel meeting, as needed.</p> <p>e. The SBEAP is reviewing assistance provided and reviewing business needs to provide better quality assistance to the regulated community.</p>

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EPA Goal and Objective	EPA Measurement	UDEQ Goal	UDEQ Measure
		<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. 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:</p> <p>a. An instructional guide on the implementation of the new conditional burning criteria set forth in R307-240 for FLM's was disseminated, followed by implementation training. FLM's have begun to apply for H.B. 92 prescribed burning permits. The Division Director has approved those permits and the burns have been completed without issues.</p> <p>b. The SMP has been significantly revised driven by the need to address an increase in the severity and frequency of wildfires and the new modeling tools that are now available to FLM's. H.B. 92 was also approved by the Legislature as a tool to reduce catastrophic wildfires. The SMP has been aligned with H.B. 92.</p>
		<p>11. Work with EPA to obtain federal action on new SIP submittals, and 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. 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>

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EPA Goal and Objective	EPA Measurement	UDEQ Goal	UDEQ Measure
		<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>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>c. Rules implementing specific source RACT are developed and implemented as appropriate.</p> <p>d. RACT determinations included in the Ozone Maintenance Plan and PM SIPs are reviewed and updated as appropriate.</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 pollution sources in Utah communities based on available resources.</p> <p>STATUS:</p> <p>a. MACT requirements promulgated by EPA are included in Title V permits.</p> <p>b. New and revised MACT and NSPS standards continue to be adopted in Utah and implemented through the permit process.</p> <p>c. New and revised MACT and NSPS standards continue to be adopted in Utah and implemented through the permit process.</p> <p>d. Efforts are currently underway to develop a new RACT analysis for a potential Moderate Ozone Nonattainment Area designation. BACT requirements of the PM2.5 Serious Area SIP have been included in each source specific Approval Order. The BACT requirements of the</p>

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EPA Goal and Objective	EPA Measurement	UDEQ Goal	UDEQ Measure
			<p>PM2.5 Serious SIP are being reviewed and updated as necessary.</p> <p>e. 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.</p>
		<p>13. Submit monitoring data to EPA as required.</p>	<p>a. Quality assured ambient air pollution data is submitted to AQS no later than 90 days after each calendar quarter.</p> <p>b. Data precision and accuracy assessments are submitted to ICIS-Air no later than 90 days after each calendar quarter.</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>d. Data summary reports are printed for regulatory and public use as appropriate.</p> <p>STATUS:</p> <p>a. Quality assured ambient data were submitted to EPA's AQS within 90 days after each quarter.</p> <p>b. Quality-assured P&A data were submitted within 90 days following each quarter.</p> <p>c. The database was monitored continuously for accuracy and completeness.</p> <p>d. Data summary reports were prepared and printed for Board, regulatory and public use.</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: Ambient Air quality data was provided to the AirNow program.</p>

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EPA Goal and Objective	EPA Measurement	UDEQ Goal	UDEQ Measure
		<p>15. a) Work with other state / federal / local agencies to reduce diesel emissions in Utah.</p> <p>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>c) When opportunities are available, continue to apply for federal Targeted Airshed Grants for emissions reductions incentive programs in applicable airsheds.</p> <p>d) Transportation Conformity – assist Cache, Wasatch Front, and Utah County MPOs with their CAA and 40 CFR 93, Subpart A conformity determinations as per the provisions of Section XII of the Utah SIP.</p>	<p>a. Continue implementing the Utah Clean Diesel Program and apply for additional funding through the Diesel Emissions Reduction Act (DERA) program.</p> <p>b. Continue efforts with Cache, Davis, Salt Lake, Utah, and Weber counties to implement their respective I/M programs and update SIP Section X to reflect the most current versions of the county I/M programs.</p> <p>c. Continue implementing, tracking and reporting on currently awarded Targeted Airshed Grants as well as applying for more grants as opportunities become available.</p> <p>d. 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:</p> <p>a. On-going. DAQ worked with stakeholders to identify potential projects for the Utah Clean Diesel program. DAQ has successfully acquired funds through DERA for the past several years and will continue to build on the success of the current program.</p> <p>b. On-going. 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>c. On-going.</p>

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EPA Goal and Objective	EPA Measurement	UDEQ Goal	UDEQ Measure
		16. Reduce Air Toxics	<p>a. MACT Standards that apply to sources in Utah are adopted through rulemaking and implemented through the Operating Permit process as they are developed and promulgated by EPA.</p> <p>b. UDAQ staff participates in EPA regional meetings and conference calls that 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>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:</p> <p>a. MACT requirements are included in Title V permits as they are promulgated by EPA.</p> <p>b. DAQ staff have attend conferences and workshops and participated in EPA regional meetings and conference calls to help identify, characterize and address air toxics in Utah communities as funding permits. DAQ has completed an analysis of current air toxics data in Utah, and is continuing an air toxics study funded by the state legislature.</p> <p>c. Community outreach and air toxics analysis was performed based on community needs.</p>
		17. Continuous routine monitoring of formaldehyde through application of nanofiber sensors	<p>a. Compare continuous readings to measurements obtained using DNPH cartridges.</p> <p>b. Characterize ambient formaldehyde levels.</p> <p>c. Assess seasonal and diurnal variability in formaldehyde.</p> <p>STATUS:</p> <p>a. Field monitoring and data analysis have been completed.</p> <p>b. Final report is being finalized and expected to be submitted by January 2021</p>

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EPA Goal and Objective	EPA Measurement	UDEQ Goal	UDEQ Measure
		<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>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 2020 and work to make further reductions in blood lead levels through 2020. (Baseline is 2.6 percent of children ages 1-5 had elevated blood lead levels (5 µg/dl or greater) in the 2007-2010 sampling period according to the Centers for Disease Control and Prevention's (CDC's) National Health and Nutritional Evaluation Survey (NHANES).</p> <p>c. Support EPA's prior 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. (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:</p> <ul style="list-style-type: none"> a. The Utah Lead-Based Paint Grant work program was completed and submitted in a separate report. b. The Utah Lead-Based Paint Program supported the EPA Strategic Plan goal to eliminate childhood lead poisoning by certifying 204 individuals and 114 firms conducting regulated work activities, performing 26 inspections at structures where regulated abatement work activities

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EPA Goal and Objective	EPA Measurement	UDEQ Goal	UDEQ Measure
			<p>were performed, and were subject to the Lead-Based Paint Renovation, Repair and Painting rule requirements.</p> <p>c. The Utah Lead-Based Paint Program supported the EPA Strategic Plan goal to reduce the childhood geometric mean blood level by certifying 204 individuals and 114 firms conducting regulated work activities, performing 26 inspections at structures where regulated abatement work activities were being performed and were subject to the Lead-Based Renovation, Repair and Painting rule requirements.</p>

EPA's Portion of the PPA

1. EPA Region VIII will work with other affected EPA offices when appropriate to consider various approaches to addressing specific issues that impact Utah.
2. EPA Region VIII will participate in UDAQ Board Meetings when specific issues regarding the partnership between EPA Region VIII and UDAQ are part of the agenda and travel funds permit.

Items Related to UDAQ Planning Branch Activities

1. EPA Region VIII will work with UDAQ as necessary and appropriate when reviewing SIP submittals and initial designation requests as the NAAQS are revised to clarify issues and communicate actions that may affect Utah.
2. EPA Region VIII will work with EPA HQ when appropriate to help elevate issues to the national level that are uniquely western issues.
3. EPA Region VIII will give timely attention to any intermediate work products that are developed in the SIP process so as to provide UDAQ its feedback during project development rather than at the end.
4. EPA will make every effort to determine completeness and to take final action on regulatory actions submitted by Utah in accordance with statutory time frames considering existing resources.

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5. EPA Region VIII and UDAQ will work together to prioritize existing SIP submittals and on identifying upcoming SIP revisions. EPA Region VIII will keep UDAQ informed on the status of actions.
6. Following review of the Federal Annual Air Quality Report, EPA Region VIII and UDAQ will work together to develop appropriate actions addressing each identified NAAQS violation for any criteria pollutant.

Items Related to UDAQ Permitting Branch Activities

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

Items Related to UDAQ Compliance and Enforcement Activities

EPA Region VIII, Enforcement and Compliance Assurance Division and Utah Division of Air Quality will work to keep each other informed of important and potentially controversial activities involving regulated sources in Utah, including activities involving national and regional initiatives. EPA continues to implement air-related National Compliance Initiatives focusing on reducing emissions of both volatile organic compounds (VOCs) and hazardous air pollutants (HAPs) which adversely impact vulnerable communities or an area's NAAQS attainment status, reducing hazardous air emissions from hazardous waste facilities, stopping aftermarket defeat devices for vehicles and engines, and reducing risks of accidental releases at industrial and chemical facilities.

UDEQ FFY 2020 END OF YEAR REPORT DIVISION OF DRINKING WATER

SOURCE PROTECTION

EPA Goals & Objectives	EPA Strategic Targets	UDEQ Goals	UDEQ Measure
<p>Goal 1: A cleaner, healthier environment</p> <p>Objective 1.2: Provide for clean and safe water</p>	<p>FY 17 National Target = 49% Regional Target = 40%</p>	<p>Report to EPA in the SWAP Performance Accountability Report (PAR) the number of community water systems with source water areas where “minimized risk is achieved by substantial implementation” of source water protection actions, as determined by Utah. To meet or exceed the target measure of 55%.</p>	<p>Percent of community water systems where risk to public health is minimized through source water protection.</p> <p>STATUS: Total active community water systems with substantial implementation: 338 of 502 CWSs or 67%. The results for this measure exceed the national and regional targets substantially.</p>
	<p>FY 17 National Target = 59% 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. To meet or exceed the target measure of 60%.</p>	<p>Percent of population served by community water systems where risk to public health is minimized through source water protection.</p> <p>STATUS: Total active community water systems population with substantial implementation: 2,680,299 of 3,280,251 total population served by community water systems or 82% of the population served by CW. The results for this measure exceed the national and regional targets substantially. UDEQ saw a decrease in percentage of population covered in 2020 because the changes to the IPS 2020 rule required a more stringent source protection plans and updates as a means to better protect public health and the environment.</p>

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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 92%</p> <p>UDEQ will maintain its data in the national database, SDWIS-Fed. This includes accurate and timely data entry, quality assurance and data validation.</p>	<p>Annual enforcement review reveals improvement in violation timeliness and accuracy.</p> <p>Inventory, violation, and enforcement data are uploaded to SDWIS-Fed within 45 days after the end of each quarter.</p> <p>STATUS: The results for each calendar quarter of the federal fiscal year are: 2019 4th quarter - 93.5% 2020 1st quarter - 92.4% 2020 2nd quarter - 95.6% 2020 3rd quarter - 97.6% The measure result exceeds the National/Regional Target during each quarter of the federal fiscal year.</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 90%</p> <p>Utah's target measure is below the National/Regional target due to the impact of tracking all identified significant deficiencies and sanitary defects in SDWIS. Utah has identified over 70 potential defects/deficiencies as significant.</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: The results for each calendar quarter of the federal fiscal year are: 2019 4th quarter - 83.9% 2020 1st quarter - 92.4%</p>

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EPA Goals & Objectives	EPA Strategic Targets	UDEQ Goals	UDEQ Measure
		The marked improvement to this number from 4th Quarter 2019 to the start of 2020 is due to the implementation of Utah's revised Improvement Priority System Rule (IPS). This rule revision placed new emphasis on significant deficiencies and better aligned the IPS tracking system with the Federal ETT.	2020 2nd quarter - 95.6% 2020 3rd quarter - 97.6% While Utah fell short of the national/regional target in the 4th quarter of 2019, Utah met the target measure as an annual rolling average.
<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.	FY17 National/Regional Target = 95%	To meet or exceed the target measure of 95%	UDEQ will maintain its data in the national database, SDWIS-Fed. This includes accurate and timely data entry, quality assurance and data validation. STATUS: The results for each calendar quarter of the federal fiscal year are: 2019 4th quarter - 95.8% 2020 1st quarter - 95.9% 2020 2nd quarter - 98.1% 2020 3rd quarter - 98.9% The measure result exceeds the National/Regional Target for every quarter of the federal fiscal year.
<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.	FY17 National/Regional Target = 75%	To meet or exceed the target measure of 90%. Any surveys not completed during the 2020 survey season were due to system closures related to the COVID-19 pandemic. Additionally, in 2020	UDEQ will maintain its data in the national database, SDWIS-Fed. This includes accurate and timely data entry, quality assurance and data validation.

**UDEQ FFY 2020 END OF YEAR REPORT
DIVISION OF DRINKING WATER**

EPA Goals & Objectives	EPA Strategic Targets	UDEQ Goals	UDEQ Measure
		UDEQ created an Assessment Response section to manage and oversee the sanitary survey.	STATUS: Utah’s DEQ and local health department staff completed 482 of the 487 surveys due in calendar year 2020. The 98.97% completion rate exceeds the national and regional target of 75%. The number also includes a review of active “non-public” systems to determine whether they continue to be non-public or have passed the threshold to become public.
<p>Goal 3: Greater certainty, compliance, and effectiveness</p> <p>Objective 3.1 Compliance with the law. (Filter/GUI)</p>	<p>UDEQ provides to EPA by 11/15/20:</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 actions and the time frames for completing assessments of groundwater under the influence of surface water (GUI), and the systems</p>	<p>Maintain an accurate list of unfiltered SW/GUI PWSs and a schedule for compliance of/and of actions, with time frames, required for completion or initial GUI assessments.</p> <p>Will provide a report to EPA by 11/15/21.</p> <p>Upload all failure to filter violations into SDWIS.</p>	<p>Accuracy of list of SW/GUI unfiltered systems.</p> <p>All failure to filter violations uploaded to SDWIS when they occur.</p> <p>STATUS: The GUI assessment and Source Status Report for 2020 was submitted to EPA Region 8 via email on December 29, 2020. In 2020, UDEQ experienced significant upper management changes and reorganization that caused delay in producing the 2020 UDI Source Status Report.</p>

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EPA Goals & Objectives	EPA Strategic Targets	UDEQ Goals	UDEQ Measure
	for which such assessments need to be completed.		One of the reorganizational changes UDEQ made was to create a new Assessment Response Section to focus on managing GUI and other vulnerable sources. This increased attention will ensure compliance with this requirement in the future and better protect Utah's drinking water supply.
Goal 3: Greater certainty, compliance, and effectiveness Objective 3.1 Compliance with the 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: All annotations to the ETT reports are made timely and reported to Region 8 EPA within 30 days of the receipt of the quarterly ETT list.
	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	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. In 2020 Utah began implementing a revision of	Priority ETT systems addressed within 6 months of identification. STATUS: All PWSs on the ETT list are either returned to compliance or under the appropriate enforcement within 6 months of their debut on the ETT list.

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EPA Goals & Objectives	EPA Strategic Targets	UDEQ Goals	UDEQ Measure
	<p>enforcement action, or for cases in which PWSs would have been a priority ETT's system if all violations had been uploaded to SDWIS-Fed.</p> <p>c) EPA encourages UDEQ to update its enforcement escalation policies to ensure that all violations receive a state response, and that enforcement priorities are addressed in a timely and appropriate manner.</p>	<p>the IPS that better correlates with the ETT. This allows</p>	
<p>Goal 3: Greater certainty, compliance, and effectiveness</p> <p>Objective 3.1 Compliance with the law. (SDWIS-Fed)</p>	<p>UDEQ will upload inventory information and all violations, enforcement actions, and applicable return to compliance codes into SDWIS-Fed quarterly.</p>	<p>SDWIS-Fed database is accurate and current.</p>	<p>STATUS: Utah uploaded the required information into SDWIS-Fed as required each quarter.</p>
<p>Goal 3: Greater certainty, compliance, and effectiveness</p> <p>Objective 3.1 Compliance with the 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 the 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. File reviews by the EPA or its contractor detect few late or absent violation letters.</p> <p>STATUS: Monitoring "Notices of Violation" letters are sent to PWSs by the end of the month following the close of the monitoring schedule. Quality "Notices of Violation" letters are sent to PWSs as soon as possible after the quality violation has been confirmed but no later</p>

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EPA Goals & Objectives	EPA Strategic Targets	UDEQ Goals	UDEQ Measure
			<p>than the 3 business days after the quality determination.</p>
	<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: Utah's electronic filing system is available to EPA staff.</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: Utah continues to provide the data necessary to complete the UEOS upon request.</p>
<p>Goal 3: Greater certainty, compliance, and effectiveness</p> <p>Objective 3.1 Compliance with the law. Improvement Priority System (IPS) 2020 Revision</p>	<p>New regulations and implementation / enforcement policies.</p>	<p>UDEQ will better target enforcement to match with EPA Enforcement Targeting Tool (ETT)</p>	<p>UDEQ and EPA will work closely on communicating capabilities related to the new implementation /enforcement policies related to rule implementation.</p> <p>STATUS: In 2020 UDEQ revised the Utah state specific Improvement Priority System Rule (IPS) this rule is how Utah tracks deficiencies and holistic compliance with state and federal drinking water rules. The rule changes implemented in 2020 are designed to</p>

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EPA Goals & Objectives	EPA Strategic Targets	UDEQ Goals	UDEQ Measure
			<p>better align with EPA enforcement targets and reflect the most recent research on potential risks to public health posed through drinking water.</p>

**UDEQ FFY2020 END OF YEAR REPORT
DIVISION OF ENVIRONMENTAL RESPONSE AND REMEDIATION**

EPA Goal and Objective	EPA Measurement	UDEQ Goal	UDEQ Measure
<p>Goal 3: Core Mission: Deliver real results to provide Americans with clean air, land, and water, and ensure chemical safety.</p> <p>Objective 1.3: Revitalize Land and Prevent Contamination</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 to plan the Superfund Manager’s conference planned to be held in Provo, UT June 9-10 2020. Due to COVID-19 the meeting was cancelled and a virtual meeting was held October 6-8.</p>
		<p>b. Encourage and participate in regular coordination meetings with Region 8 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 program retreats between EPA and the State, when conducted. STATUS: DERR continued to be open to attending program retreats between agencies; however, a retreat was not held during 2020.</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 FY2020 DERR continued to gather and assess information on groundwater that has been contaminated by solvents.</p>
		<p>b. Continue discovery efforts for listing new sites on SEMS with a focus on the Ogden City area during FY2020. STATUS: DERR continued its discovery efforts in the Ogden and Salt Lake County areas during</p>	

**UDEQ FFY2020 END OF YEAR REPORT
DIVISION OF ENVIRONMENTAL RESPONSE AND REMEDIATION**

EPA Goal and Objective	EPA Measurement	UDEQ Goal	UDEQ Measure
			<p>FY2020, and will continue to do so during FY2021. Pre-CERCLA worksheets are being submitted to EPA for review to determine if the sites should be listed on SEMS.</p>
			<p>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.</p>
		<p>III. Apply the UDEQ Mission, Vision and Values in all work activities.</p>	<p>a. Discuss the application of the Mission, Vision and Values in coordination meetings, as needed. ACCOMPLISHMENTS: The UDEQ Mission, Vision and Values were applied during DERR/EPA coordination meetings in the context of shared goals driving project planning and implementation.</p>
		<p>IV. Coordinate proposal of Utah sites to the NPL.</p>	<p>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.</p>
			<p>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 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.</p> <p>b. Evaluate potential NPL sites during coordination meetings.</p>

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DIVISION OF ENVIRONMENTAL RESPONSE AND REMEDIATION**

EPA Goal and Objective	EPA Measurement	UDEQ Goal	UDEQ Measure
			<p>STATUS: DERR and EPA discussed site status and prioritization (including NPL potential) during the annual Site Assessment planning meeting on October 24, 2019.</p>
	Assess and Cleanup Brownfields; Clean up Contaminated Land	V. Encourage redevelopment of Superfund and Brownfields sites in Utah.	<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.</p> <p>STATUS: DERR completed Phase I/Phase II ESAs (Targeted Brownfields Assessments) at the proposed Housing Connect/Habitat for Humanity property in Murray and issued letters of support to both Spanish Fork City (Community-Wide Assessment grant) and Carbon County (Revolving Loan Fund grant). DERR provided technical assistance to both public and private stakeholders on various Brownfields sites and maintained a complete public record. Documents were made available for public review via the DEQ web based Interactive Map and EZ Search function.</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.</p>

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DIVISION OF ENVIRONMENTAL RESPONSE AND REMEDIATION**

EPA Goal and Objective	EPA Measurement	UDEQ Goal	UDEQ Measure
			<p>STATUS: DERR participated in quarterly meetings with the Region 8 Brownfields team and other states to discuss pertinent Brownfields issues. DERR attended the National Brownfields Conference in December 2019.</p> <p>c. Issue Certificates of Completion under the VCP. STATUS: No Certificates of Completion were issued in FFY 20. DERR received seven new VCP applications and provided oversight on key cleanup projects such as the Swift Building in Ogden.</p> <p>d. Issue Enforceable Written Assurances to qualified applicants. STATUS: Twelve EWAs were issued in FFY 20. DERR received 14 new EWA applications. Key redevelopment projects initiated include the new convention hotel in downtown Salt Lake City.</p> <p>e. Coordinate with EPA on Ready for Reuse Determinations for Superfund sites. STATUS: DERR coordinated with EPA on redevelopment issues.</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 FY2020.	<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. 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.</p>

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DIVISION OF ENVIRONMENTAL RESPONSE AND REMEDIATION**

EPA Goal and Objective	EPA Measurement	UDEQ Goal	UDEQ Measure
			<p>STATUS: DERR completed a new checklist to facilitate issuance of EWAs as part of its on-going continuous improvement efforts. DERR continued implementing the EPA approved State Response Program workplan.</p> <p>c. Jointly develop and work to achieve the FY2020 planned Superfund remedial accomplishments. STATUS: DERR and EPA Region 8 worked closely to achieve the planned accomplishments for FY 2020.</p>

UDEQ FFY2020 END OF YEAR REPORT

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
GOAL 1: A Cleaner, Healthier Environment.	Objective 1.3: Revitalize Land and Prevent Contamination. Provide better leadership and management to properly clean up contaminated sites to revitalize and return the land back to communities.	LTPG 1.3.3 By September 30, 2022, make 536 additional Resource Conservation and Recovery Act (RCRA) corrective action facilities RAU.	Maintain an Effective Corrective Action Program	<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.</p>
				<p>b. Maintain and update, as necessary, facility-specific corrective action information (universe identification and status) for hazardous waste facilities subject to corrective action, including site assessment, stabilization (accounting for health and environmental risk control measures), and regular corrective action process activities through staff interaction, correspondence and/or automated data systems (RCRAInfo). For RCRAInfo, all required data elements will be entered by the 20th of the month following the activity.</p> <p>STATUS: The Division strives to enter all facility specific corrective action information by the 20th of the month following the activity.</p>

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DIVISION OF WASTE MANAGEMENT AND RADIATION CONTROL**

EPA Strategic Goal and Objective	EPA Strategic Measurement	UDEQ Goal	UDEQ Measure
			<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 (CA900) or (CA999/RE).</p> <p>STATUS: The Division provides appropriate hazardous waste corrective action responses.</p> <hr/> <p>d. Provide appropriate stabilization response as dictated by case-by-case specifics, regulatory/statutory requirements, permit conditions, or program priorities. Emphasis is on high priority facilities. Appropriate measures may include stabilization measures evaluation (CA225), stabilization imposed (CA600), stabilization construction completed (CA650),</p> <p>STATUS: The Division provides appropriate stabilization responses.</p> <hr/> <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: The Division annually evaluates the facility by facility multi-year plan for corrective action activities.</p>

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DIVISION OF WASTE MANAGEMENT AND RADIATION CONTROL**

EPA Strategic Goal and Objective		EPA Strategic Measurement	UDEQ Goal	UDEQ Measure
				<p>f. Incorporate, as appropriate, environmental justice information in the administration of the hazardous waste program. STATUS: The Division incorporates environmental justice in the hazardous waste program as appropriate</p> <p>g. EPA has identified Financial Assurance through the National Program Management Guidance as a priority for FY 2020. Coordinate with the Region on financial assurance as appropriate. Should the Region or Headquarters identify a RCRA entity operating in several states with financial assurance compliance issues, EPA reserves the right to pursue compliance or enforcement activities with the identified operator in accordance with the Utah/EPA Enforcement Agreement. STATUS: The Division continues to coordinate with EPA during their monthly calls.</p>
GOAL 2: More Effective Partnerships.	Objective 2.1: Enhance Shared Accountability. Improve environmental	LTPG 2.1.2 By September 30, 2022, increase the use of alternative shared governance approaches to	Compliance Assurance – Increase the availability of training for generators of hazardous waste. Provide the regulated community with compliance assistance.	<p>a. Conduct yearly Generator Trainings STATUS: The Division was unable to conduct the Generator Training this year due to COVID-19. The Division did perform individual educational outreach to businesses.</p>

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DIVISION OF WASTE MANAGEMENT AND RADIATION CONTROL**

EPA Strategic Goal and Objective	EPA Strategic Measurement	UDEQ Goal	UDEQ Measure
	protection through shared governance and enhanced collaboration with state, tribal, local, and federal partners using the full range of compliance assurance tools.		<p>b. Conduct on-site visits to VSQGs and SQGs to provide updated regulatory information and compliance assistance. Continue implementation of the SQG compliance assistance program in FY 2020.</p> <p>STATUS: The Division performed 36 SQG inspections providing regulatory information and compliance assistance. The majority of the SQG were recorded in RCRAinfo as CEIs.</p> <p>c. Enhance the State/EPA partnership to ensure the management of a quality hazardous waste program.</p> <ul style="list-style-type: none"> i. Maintain the MOA, the enforcement agreement, quality assurance plan for environmental data collection, and other operating guidance. 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. 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 targets for joint efforts and work sharing. iv. Maintain frequent and open communication on routine matter, changes in program capability, legislation, and resource levels, emergency situations and other key activities as described in the MOA. EPA and the Division will hold regular meetings

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EPA Strategic Goal and Objective		EPA Strategic Measurement	UDEQ Goal	UDEQ Measure
				<p>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: The Division works closely with EPA and other States attending training courses, webinars and participates our EPA workgroups. Participation in training includes monthly RIN conference call, Western States Project training and conferences and ASTWSMO in partnership with EPA.</p>
GOAL 3: Greater Certainty, Compliance, and Effectiveness.	Objective 3.4: Streamline and Modernize. Issue permits more quickly and modernize our permitting and reporting systems.	LTPG 3.4.1 By September 30, 2022, reach all permitting-related decisions within six months.	Complete TSDf, Closure, and Post-Closure Permitting actions within a reasonable timeframe	<p>a. Maintain effective hazardous waste permitting and closure/post closure programs.</p> <p>STATUS: The Division maintains effective hazardous waste permitting and closure/post-closure programs which is reflected in the numerous achievements for FY20.</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: Information on the hazardous waste universe and status of hazardous waste facilities subject to closure requirements, post-closure permits, and operating permits are entered into</p>

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DIVISION OF WASTE MANAGEMENT AND RADIATION CONTROL**

EPA Strategic Goal and Objective	EPA Strategic Measurement	UDEQ Goal	UDEQ Measure
			<p data-bbox="1327 326 1997 386">RCRAInfo by the 20th of the month following an activity.</p> <p data-bbox="1327 428 1997 906">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 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 data-bbox="1327 914 1997 1154">STATUS: The Division provides appropriate response for closure/post-closure and permitting. Specific details on Corrective Action accomplishments are provided below after the Commitments Table. Information regarding approvals, verifications, permit determinations/issuances and permit modifications are entered into RCRAInfo as required.</p> <p data-bbox="1327 1195 1997 1284">d. Ensure permit modifications are tracked. STATUS: The Division maintains and tracks permit modifications via a spreadsheet.</p> <p data-bbox="1327 1300 1997 1448">e. EPA has identified Financial Assurance through the National Program Management Guidance as a priority for FY 2020. Coordinate with the Region on financial assurance as appropriate. Should the Region or Headquarters identify a RCRA entity</p>

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DIVISION OF WASTE MANAGEMENT AND RADIATION CONTROL**

EPA Strategic Goal and Objective	EPA Strategic Measurement	UDEQ Goal	UDEQ Measure
			<p>operating in several states with financial assurance compliance issues, EPA reserves the right to pursue compliance or enforcement activities with the identified operator in accordance with the Utah/EPA Enforcement Agreement.</p> <p>STATUS: The Division continues to coordinate with EPA during their monthly calls.</p>
<p>GOAL 3: Greater Certainty, Compliance, and Effectiveness.</p>	<p>Objective 3.1 Compliance with the Law. Timely enforce environmental laws to increase compliance rates and promote cleanup of contaminated sites through the use of all of EPA's compliance assurance tools, especially enforcement actions to address environmental violations.</p>	<p>LTPG 3.1.1 By September 30, 2022, reduce the average time from violation identification to correction.</p>	<p>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> <p>a. Update hazardous waste inspection universe and develop inspection schedule for FY 2020 by September 30, 2019. 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, 2019. The Region will develop its FY2020 Inspection schedule and submit to the Division by October 30, 2019.</p> <p>STATUS: The Division developed an inspection schedule for FY2020 and provided it to EPA which included LQG, SQG and Used Oil Facilities.</p> <p>b. Complete targeted inspections by September 30, 2020.</p> <p>STATUS: The Division completed the majority of inspections by September 30, 2020 (14 TSDF, 38 LQG, 36 SQG and 11 Used Oil Inspections). Due to COVID-19, some of the SQG inspections were not completed.</p> <p>c. Participate in joint state and federal industry sectors initiatives.</p> <p>STATUS: The Division participates with joint state and federal industry sectors initiatives where applicable.</p>

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EPA Strategic Goal and Objective		EPA Strategic Measurement	UDEQ Goal	UDEQ Measure
				<p>d. Provide facility specific compliance and enforcement information through the proper and timely entering of program data into automated data systems (RCRAInfo). STATUS: The Division enters compliance and enforcement data into RCRAInfo in a timely manner.</p>
				<p>e. Consider economic factors in determining penalties for violations. i. Use maximum flexibility when negotiating consent agreements to include consideration of financial viability of regulated party. STATUS: The Division considered economic benefit when determining violation penalties and used flexibility when negotiating consent agreements.</p>
				<p>f. 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. STATUS: The Division coordinated with EPA Region 8 for the CERCLA Off-site Rule.</p>
				<p>g. Utah will inspect at least 50% of the active treatment, storage and disposal facilities during FY 2020. STATUS: The Division completed 100% of the TSDF inspections.</p>
GOAL 3: Greater Certainty, Compliance, and Effectiveness.	Objective 3.2: Create Consistency and Certainty.	LTPG 3.2.1 By September 30, 2022, meet 100% of legal deadlines imposed by EPA.	Rule Adoption and Authorization.	<p>a. Meet the deadline for adoption of all mandatory rules during FY 2020. STATUS: Utah has adopted all required rules up through Checklist 241.</p>

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DIVISION OF WASTE MANAGEMENT AND RADIATION CONTROL**

EPA Strategic Goal and Objective	EPA Strategic Measurement	UDEQ Goal	UDEQ Measure
	Outline exactly what is expected of the regulated community to ensure good stewardship and positive environmental outcomes.		b. Submit to EPA an authorization application during FY 2020. STATUS: In September 2020 the Division provided EPA Region 8 with a draft final version of an authorization application for preliminary review.

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DIVISION OF WASTE MANAGEMENT AND RADIATION CONTROL**

FY 2020 Hazardous Waste Program Commitments for Utah		
Event	FY 2020	
	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	2
Permit Activities Totals	0	0
Permit Activities for GPRA Universe Facilities (Unit Level)		

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DIVISION OF WASTE MANAGEMENT AND RADIATION CONTROL**

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
Facility level RAU (CA800)(GPRA measure)		
CA Performance Standards Attained/CA Process Terminated (CA900/CA999) (GPRA Measure)	0	0
Corrective Action Activities at GPRA Universe Facilities (Area Level)		
RFI Imposed (CA100) (area level)	0	0

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RFI Approved (CA200) (area level)	35	39
Remedy Selection (CA400) (area level)	38	57
Construction Completion (CA550) (area level)	37	56
Corrections completed (CA900CR) (area level)	0	0
Corrective Action Completed (CA999) (area level)	36	55
*Permit Renewals Due this Strategic Period (FY18-FY22)		

Permit Renewals

ATK NIROP Storage and Treatment Permit – Expires September 1, 2019. Permit was renewed on September 30, 2020.
Hill Air Force Base Expires September 30, 2019. Permit was renewed on September 30, 2020.

Corrective Action Activities (Area Level)

RFI Work Plan (CA150) for 9 Group 6 SWMUs (Sumps) at ATK Bacchus.

Plan approved for seven Group 6 SWMUs (S-19, S-25, S-28, S-30, S-31, S-35 and S-39) on July 7, 2020.

Plan approved for two Group 6 SWMUs (9A and 9B) on July 6, 2020.

RFI Work Plan (CA150) for 3 Group 8 SWMUs (Septic Systems) at ATK Bacchus.

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Plan approved for one Group 8 SWMU SS-2 on July 6, 2020. Did not achieve two.

RFI Work Plan (CA150) for SWMU BP-1 at ATK Bacchus.

Not achieved.

Phase III RFI Work Plan (CA150) for SWMU SL-4 at ATK Bacchus.

Plan approved on February 27, 2020.

RFI Report Approval (CA200) for 35 SWMUs at ATK Promontory.

Report approved for 14 SWMUs at ATK Promontory (114, 191, 353, 355, 381, 395, 397, 402, 446, 493, 559, 618, 667 and 674) on February 20, 2020.

Report approved for 25 SWMUs at ATK Promontory (241, 250, 251, 252, 253, 271, 272, 275, 276, 277, 278, 307, 308, 347, 358, 359, 431, 435, 450, 452,500, 511, 513,522 and 656) on May 29, 2020.

Remedy Selection (CA400) for SWMUs 1 and 25 at Tooele Army Depot – South, Carryover from FY19.

Approved June 22, 2020.

Remedy Selection (CA400) for 35 SWMUs at ATK Promontory.

Approved for 14 SWMUs at ATK Promontory (114, 191, 353, 355, 381, 395, 397, 402, 446, 493, 559, 618, 667 and 674) on February 20, 2020.

Approved for 25 SWMUs at ATK Promontory (241, 250, 251, 252, 253, 271, 272, 275, 276, 277, 278, 307, 308, 347, 358, 359, 431, 435, 450, 452,500, 511, 513,522 and 656) on May 29, 2020.

Remedy Selection (CA400) for HWMU 38 at Tooele Army Depot – South.

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Approved September 26, 2020. Achieved earlier than expected.

CMI Construction Complete (CA550) for 35 SWMUs at ATK Promontory.

Report approved for 14 SWMUs at ATK Promontory (114, 191, 353, 355, 381, 395, 397, 402, 446, 493, 559, 618, 667 and 674) on February 20, 2020.

Report approved for 25 SWMUs at ATK Promontory (241, 250, 251, 252, 253, 271, 272, 275, 276, 277, 278, 307, 308, 347, 358, 359, 431, 435, 450, 452,500, 511, 513,522 and 656) on May 29, 2020.

CMI Construction Complete (CA550) for SWMU 26 at Tooele Army Depot – South.

Report for Units A-D approved May 26, 2020.

Report for Units E-H approved August 5, 2020.

CMI Construction Complete (CA550) for HWMU 38 at Tooele Army Depot – South.

Report approved September 26, 2020. Achieved earlier than expected.

Corrective Action Completed (CA999) for 35 SWMUs at ATK Promontory.

NFA approved for 14 SWMUs at ATK Promontory (114, 191, 353, 355, 381, 395, 397, 402, 446, 493, 559, 618, 667 and 674) on February 20, 2020.

NFA approved for 25 SWMUs at ATK Promontory (241, 250, 251, 252, 253, 271, 272, 275, 276, 277, 278, 307, 308, 347, 358, 359, 431, 435, 450, 452,500, 511, 513,522 and 656) on May 29, 2020.

Corrective Action Completed (CA999) for HWMU 38 at Tooele Army Depot – South.

NFA approved September 26, 2020. Achieved earlier than expected.

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Unplanned Corrective Action Activities (Area Level)

RFI Work Plan Approval (CA150) for Group 9 SWMUs SI-1 and SI-2 at ATK Bacchus.

Approved on July 7, 2020.

RFI Work Plan Approval (CA150) for SWMU #208 at ATK Promontory.

Approved on July 16, 2020.

RFI Work Plan Approval (CA150) for Group 6 SWMUs 9A and 9B and Group 8 SS-2.

Approved on July 6, 2020.

Remedy Selection (CA400) for 14 SWMUs and 1 AOC at Big West Oil.

Approved July 28, 2020.

CMI Construction Complete (CA550) for 14 SWMUs and 1 AOC at Big West Oil.

Report approved July 28, 2020.

_Corrective Action Completed (CA999) for 14 SWMUs and 1 AOC at Big West Oil.

NFA approved July 28, 2020.

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EPA Goals and Objectives	DWQ Goals and Measures	
<p>Goal 1 - A Cleaner, Healthier Environment: Deliver a cleaner, safer, and healthier environment for all Americans and future generations by carrying out the Agency's core mission.</p> <p>Objective 1.2 – Provide for Clean and Safe Water: Ensure waters are clean through improved water infrastructure and, in partnership with states and tribes, sustainably manage programs to support drinking water, aquatic ecosystems, and recreational, economic, and subsistence activities.</p> <p>Goal 3 - Greater Certainty, Compliance, and Effectiveness: Increase certainty, compliance, and effectiveness by applying the rule of law to achieve more efficient and effective agency operations, service delivery, and regulatory relief.</p> <p>Objective 3.2 - Create Consistency and Certainty: Outline exactly what is expected of the regulated community to ensure good stewardship and positive environmental outcomes.</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 style="text-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>

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EPA Goals and Objectives	DWQ Goals and Measures	
		<p>STATUS: 125 Individual permits and 4 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 STATUS: As of 12/07/2020, there were 8 expired individual permits and 2 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 STATUS: There are four (4) facilities that have applied for individual permits, and these permits have not yet been issued as of 12/07/2020.</p> <p>d. have individual permits under administrative or judicial appeal 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 issuance/backlog reduction plan showing how</p>

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EPA Goals and Objectives	DWQ Goals and Measures	
		<p>the State will expeditiously reduce the backlog to 10% upon request from EPA.</p> <p>STATUS: Item a completed and item b ongoing. Based upon our entire permit universe, our number of backlogged permits is 4.8% as of 12/07/2020.</p>
	3. Whole Effluent Toxicity (WET)	<p>a. Assure proper implementation of WET requirements in UPDES permits.</p> <p>STATUS: Completed and ongoing.</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>b. Include EPA in the review process prior to issuing general permits for storm water discharges.</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>d. Continue outreach/education activities for the Phase II Storm Water Program.</p> <p>STATUS: Ongoing.</p>

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EPA Goals and Objectives	DWQ Goals and Measures	
	6. Pretreatment	<p>a. Provide EPA with the number and percent of local Pretreatment programs that have implemented Pretreatment Streamlining Regulations annually.</p> <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: 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.</p>

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EPA Goals and Objectives	DWQ Goals and Measures	
		<p>Items b and c, DWQ is aware of 14 CIUs in non-approved pretreatment program areas. Of the 14 CIUs, one is permitted by DWQ and seven do not discharge to the POTW. Permit applications are being required to be submitted for all discharging CIUs which are not permitted. The 12 of the 14 CIUs were inspected in 2019. Currently the DWQ is investigating the potential for additional CIUs in non-approved pretreatment areas.</p> <p>The following information for item c is based on information gathered from the annual pretreatment report. Item c.i., there are 287 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. Item c.iii., there are 177 CIUs that have adequate control mechanisms.</p>
	7. Sewage Sludge (Biosolids)	<p>Promote the beneficial use of biosolids and implement biosolids regulations.</p> <ol style="list-style-type: none"> a. Provide the number of UPDES permits that contain biosolids language annually. b. Provide the total number of Biosolids permits. c. Maintain data in the ICIS database. d. Reissue all biosolids permits which will expire in FY2020 and transition into consolidated permits as needed. e. Submit an End-of-Year report to EPA for the preceding calendar year containing a summary of DWQs actions under their

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EPA Goals and Objectives	DWQ Goals and Measures	
		<p>biosolids program. Also include a list of facilities that beneficially reuse biosolids, methods of reuse and the tons reused.</p> <p>STATUS: Item a, 100%, of individual UPDES permits for mechanical wastewater treatment plants include biosolids permit requirements (42 permits total). Items b and c, completed and ongoing. Item e, FY19 report was transmitted to EPA separately on 12/04/19. FY 20 report will be submitted to EPA in January, 2021.</p>
	<p>8. Concentrated Animal Feeding Operations (CAFOs) (ongoing)</p>	<p>a. Continue to implement “Utah’s Strategy to Address Pollution from Animal Feeding Operations.”</p> <ul style="list-style-type: none"> i. For all permitted CAFOs, if available, enter permit facility data, and permit event data into ICIS. ii. Inform EPA of animal feeding operations that are impacting water quality annually. 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. iv. EPA will provide CAFO rule development updates, to keep DWQ informed. <p>b. Maintain an inventory of all permitted CAFOs during FY20. Provide the inventory to the EPA upon request.</p> <p>c. Continue to implement the EPA 2012 CAFO rules in Utah within FY 2020.</p> <p>d. After rule revision and issuance of the next CAFO permit, Nutrient Management Plans for</p>

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EPA Goals and Objectives	DWQ Goals and Measures	
		<p>permitted CAFOs once approved, shall be tracked in ICIS.</p> <p>STATUS: Ongoing. CAFO rules to be revised early 2021.</p>
	<p>9. Utah Sewer Management Program (USMP)</p>	<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>This was the first year that the required annual report was submitted through an online survey format in conjunction with the Municipal Wastewater Planning Program (MWPP) report.</p>
<p>Objective 3.4- Streamline and Modernize: Issue permits more quickly and modernize our permitting and reporting systems.</p>	<p>UPDES ICIS Data</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 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>

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EPA Goals and Objectives	DWQ Goals and Measures	
		<p>c. Provide to the maximum extent practicable the data elements, in accordance with 40 CFR Part 127, Appendix A, Table 2.</p> <p>d. ICIS data is entered accurately which includes permitting, compliance, and enforcement data.</p> <p>e. Continue to report non-major facilities compliance data the same as majors through the ICIS data management system.</p> <p>f. Track all inspections in ICIS.</p> <p>g. Enter additional ICIS data, as listed in other parts of this document</p> <p>STATUS: DWQ has staff who have participated in EPA ICIS training to learn how to manage inspections data in ICIS. The DWQ ICIS Data Steward meets with EPA Region 8 as needed to address data issues and resolve any coding questions. The ICIS Data Steward also meets with EPA Monthly through the R8 ICIS NPDES State Data on a monthly basis where QNCR issues are discussed. DWQ has 3 sections that coordinate regularly to maintain permitting, compliance and enforcement data in ICIS.</p>
<p>Objective 1.2 – Provide for Clean and Safe Water: Ensure waters are clean through improved water infrastructure and, in partnership with states and tribes, sustainably manage programs to support drinking water, aquatic ecosystems, and recreational, economic, and subsistence activities.</p>	<p>UPDES Compliance Evaluations & Inspections</p>	
	<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</p>

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EPA Goals and Objectives	DWQ Goals and Measures	
		<p>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 regional priorities, 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

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EPA Goals and Objectives	DWQ Goals and Measures	
		<p>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> <p>d. DWQ will submit a draft Inspection Plan for FY2020 to EPA by August 1, 2019. DWQ will review and submit the final Inspection Plan to EPA by September 15, 2019 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, 2019.</p> <p>e. EPA may determine the number of inspections conducted at end of year (September 30, 2019) 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; DWQ will enter all inspections into ICIS within 40 days of the completed activity, in accordance with 40 CFR Part 127, Appendix A, Table 1. Any inspections performed on or before September 30, 2020, but which do not appear in ICIS by November 10, 2020, 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 FY2020. 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>

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EPA Goals and Objectives	DWQ Goals and Measures
	<ul style="list-style-type: none"> <li data-bbox="1331 293 1923 678">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. <li data-bbox="1331 688 1923 829">h. During FY2020, 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. <li data-bbox="1331 839 1923 1349">i. In the FY 2018-2022 EPA Strategic Plan, the EPA identified a new priority to increase compliance with environmental laws. The Reducing Significant Noncompliance with National Pollutant Discharge Elimination System Permits National Compliance Initiative supports this priority. The EPA's goal is to increase compliance rates by reducing the rate of significant noncompliance (SNC) in the NPDES program by 50% by the end of FY 2022. In coordination with the State, EPA Region 8 may conduct up to 10 compliance evaluations of facilities in SNC annually and conduct any follow-up addressing action to gain compliance and deter future SNC. Additional compliance evaluations may be agreed to on a case-by-case basis.

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DIVISION OF WATER QUALITY**

EPA Goals and Objectives	DWQ Goals and Measures	
		STATUS: Completed and ongoing with EPA for items a thru h above.
	3. Storm Water	a. Continue implementation of MS4 permits which will ensure adequate sediment control inspections at local construction sites. This should increase the number of overall storm water inspections performed in the state. b. Encourage DWQ staff, District Engineers and municipal and county staff to assist with inspections as allowed by time and resource constraints. STATUS: Ongoing. Stormwater inspection summary EOY Report for Federal FY20 provided separately.
Objective 1.2 – Provide for Clean and Safe Water: Ensure waters are clean through improved water infrastructure and, in partnership with states and tribes, sustainably manage programs to support drinking water, aquatic ecosystems, and recreational, economic, and subsistence activities.	UPDES Enforcement	
	1. QNCR and ANCR	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. STATUS: The Data Steward provides a QNCR report to the permitting staff the first of each month to address non-compliance issues in ICIS.
	2. DWQ Enforcement	a. EPA will identify and provide copies, if possible, of any policy or guidance documents used when evaluating the appropriateness of DWQ's enforcement actions. DWQ agrees to

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EPA Goals and Objectives	DWQ Goals and Measures	
		<p>evaluate all violations and determine an appropriate response and take that action.</p> <ul style="list-style-type: none"> 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 energy extraction). The EPA will provide written comments on any reviewed settlement documents and penalty calculations as part of the EOY Review.

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EPA Goals and Objectives	DWQ Goals and Measures	
		<p>STATUS: Completed and ongoing for a thru g above. List requested in item g was sent to EPA.</p>
	<p>3. Whole Effluent Toxicity (WET)</p>	<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 “Permit and Enforcement Guidance Document for Whole Effluent Toxicity,” and any subsequent revisions.</p> <p>b. DWQ will submit as part of their FY2019 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 FY2020, and a list of any formal enforcement actions which included WET violations.</p> <p>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 12/10/20. No formal enforcement actions taken in FY20 included WET violations.</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</p>

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EPA Goals and Objectives	DWQ Goals and Measures	
<p>Objective 1.2 – Provide for Clean and Safe Water: Ensure waters are clean through improved water infrastructure and, in partnership with states and tribes, sustainably manage programs to support drinking water, aquatic ecosystems, and recreational, economic, and subsistence activities.</p>		<p>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>STATUS: Completed and Ongoing</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>STATUS: Ongoing</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 FY20 TMDLs and TMDL alternatives.</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. Our commitment for FY 2020 is submission of the Fremont River TMDL for <i>E. coli</i> and Provo River-4 (Spring Creek) TMDL for <i>E. coli</i>.</p> <p>b. Identify the State-wide extent of activities leading to completed TMDLs or alternative restoration approaches for impaired waters, or protection approaches for unimpaired waters. This is an indicator measure and does not require annual commitments.</p> <p>STATUS: The Fremont River Watershed E.coli TMDL was submitted for EPA approval on November 30, 2020. The effective date for</p>

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EPA Goals and Objectives	DWQ Goals and Measures	
		<p>State rulemaking for this TMDL was 10/29/2020. The Spring Creek E.coli TMDL is in the final stage of development and is slated for EPA approval in April, 2021. Numerous discussions relaying TMDL progress occurred throughout the year.</p>
	<p>2. Implement a prioritization strategy under the 303(d) Vision.</p>	<p>a. Identify a list of priority waters slated for near term (~2 year) TMDL development or alternative approaches; b. Update as necessary a list of priority waters scheduled for likely TMDL development or alternative or approaches over the 2016 – 2022 period; c. Update as necessary a list of priority waters awaiting management to protect their current condition from degradation during 2016 – 2022 (optional); and d. The strategic rationale of the State in setting these priorities.</p> <p>STATUS: The 303(d) Vision List was updated to reflect current resources and priorities in order to complete TMDLs by 2022. The updated list was submitted to EPA on July 16, 2020</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>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>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>6. Continue to implement the Nonpoint Source Program based on strong State and local institutional capabilities using</p>	<p>a. Conduct a comprehensive NPS program review preceding the update of the NPS Management Plan every five years beginning</p>

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EPA Goals and Objectives	DWQ Goals and Measures	
	<p>the Watershed Approach in support of TMDL development.</p>	<p>2018.</p> <ul style="list-style-type: none"> b. Update GRTS annually by entering annual progress report information according to December 31st deadlines. 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. g. Report the number of waterbodies identified (in 2000 or subsequent years) as being primarily nonpoint source (NPS)-impaired that are partially or fully restored. Target for FY-2020 is 1 watershed. h. Report the number of priority NPS watershed areas where USDA EQIP funds are used to implement conservation projects. Report

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EPA Goals and Objectives	DWQ Goals and Measures	
		<p>allocation of EQIP funds to 303(d) waters and approved TMDL watersheds.</p> <p>i. Report the number of priority watershed coordinator positions developed and functioning according to DWQ contract work plans.</p> <p>STATUS:</p> <ul style="list-style-type: none"> • Annual reports were submitted by all project subrecipients as well as Local Watershed Coordinators. These reports included load reduction estimates and the quantity of all BMPs that were installed during FY-2020 • The NPS Program Coordinator and the finance department sat down many times throughout FY-2020 to verify that the remaining amount of funding for each open 319 grant was correct, and grants that had been expended were closed. • The Statewide NPS Management Plan will be updated in FY-2023. • All load reductions for FY-2020 have been entered into GRTS • The FY-2020 Annual Report is currently being reviewed internally, and should be submitted to EPA by December 31, 2020. • The Water Quality Task Force met September 10, December 5, and June 3 in FY-2020. Annual reports on the accomplishments of the NPS Program were given to the Utah Conservation Commission and the Utah Water Quality Board.

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EPA Goals and Objectives	DWQ Goals and Measures	
		<ul style="list-style-type: none"> • The FY-2016 Section 319 grant has been closed, leaving the state of Utah with 4 open Section 319 grants. • In FY-2020 9.07 miles of streambank were restored, 2 animal feeding operations were addressed, and 105 acres of riparian improvement were implemented. This resulted in a reduction of 4,772 lbs of Nitrogen, 1567.51 tons of sediment, and 852.24 lbs of phosphorus per year. These numbers are included in the annual report and have been reported in GRTS. • A success story was submitted to EPA for the Spring Creek Watershed in FY-2020, which shows significant reductions in Phosphorous and Ammonium. • Over \$1,000,000 in EQIP funding was awarded to the Upper Sevier Watershed as part of the NWQI initiative. A summary of this project can be found in the FY-2020 Annual Report. • The Division of Water Quality currently has watershed coordinators in the following basins: Bear River, Weber River, Provo River, Lower Sevier, Upper Sevier, and South Eastern Colorado River. A summary of their accomplishments can be found in the FY-2020 Annual report.

GROUND WATER PROTECTION

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

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EPA Goals and Objectives	DWQ Goals and Measures
<p>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.</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>Goal 1 - Core Mission: Deliver real results to Provide Americans with clean air, land, and water, and ensure chemical safety.</p> <p>Objective 1.2 - Provide for Clean and Safe Water</p> <p>Objective 3.2 - Create Consistency and Certainty: Outline exactly what is expected of the regulated community to ensure good stewardship and positive environmental outcomes.</p>	<p>1. Maintain an effective 1422 Underground Injection Control Program per agreement with the EPA STATUS: Complete and ongoing with UIC Permits for 27 Class III area permits, 3 individual Class III wells, 19 Class IV wells, and 4428 Class V wells.</p> <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> <ol style="list-style-type: none"> a. Evaluate the core program effectiveness as reported in the UIC Program narrative included in the EOY Report. 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 submittal of the biannual narratives and quarterly reporting to the UIC Data Application. c. Identify and report the number and percent of Class I injection wells that are

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EPA Goals and Objectives	DWQ Goals and Measures	
		<p>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.</p> <ul style="list-style-type: none"> i. The reporting requirements for this metric shall be fulfilled by the quarterly submittal to the UIC Data Application. ii. Identify and report the number and percent of Class III injection wells that lose mechanical integrity and maximize the number that are returned to compliance within 180 days, thereby reducing the potential to endanger USDWs. The reporting requirement for this metric shall be fulfilled by the quarterly submittal to the UIC Data Application. <p>d. 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.</p> <p>The reporting requirement for this metric shall be fulfilled by the quarterly submittal to the UIC Data Application. * Although Utah has not formally delineated "other sensitive ground water areas" throughout the</p>

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EPA Goals and Objectives	DWQ Goals and Measures	
		<p>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.</p> <p>e. Ensure Utah UIC Program monitoring activities are performed according to the DEQ/QMP Approved QAPP.</p> <p>STATUS:</p> <p>a. Completed and submitted the UIC EOY Program Summary to the UIC Data Application on 11/17/2020.</p> <p>b. Activities regarding MVWD wells are described in the UIC EOY Program Summary; metrics associated with MVWD wells were submitted to the UIC Data Application on 11/17/2020. All reporting requirements are met by biannual submittals to the UIC Data Application.</p> <p>c. There are no Class I injection wells in Utah.</p> <p>d. Metrics associated with MVWD and LCC wells were submitted to the UIC Data Application on 11/17/2020. All reporting requirements are met by biannual submittals to the UIC Data Application.</p> <p>e. Completed</p>
	<p>3. Encourage responsible environmental behavior and promote excellence in environmental quality through environmental</p>	<p>a. Provide a description of presentations to local government groups, local health departments, public works departments,</p>

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EPA Goals and Objectives	DWQ Goals and Measures	
	<p>education, community-based partnerships and qualitative and quantitative feedback from regulated and non-regulated customers.</p>	<p>private sector groups, civil groups, etc. which include UIC concerns and opportunity for feedback. (Reported in the UIC Program biannual and EOY narratives which are submitted to the UIC Data Application)</p> <p>i. 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. (Reported in the UIC Program biannual and EOY narratives which are submitted to the UIC Data Application)</p> <p>STATUS: More limited outreach events owing to COVID-19. Email communication was used primarily to provide outreach information. Descriptions of outreach activities were detailed in the UIC EOY Program Summary submitted on 11/17/2020.</p>
<p>Objective 3.4- Streamline and Modernize: Issue permits more quickly and modernize our permitting and reporting systems.</p>	<p>4. Reporting of 7520 Data and the Biannual and EOY Program Narratives.</p>	<p>a. Utah DWQ currently maintains the 1422 UIC Program's geodatabase which is queried quarterly to provide the 7520 data necessary to submit to the UIC Data</p>

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EPA Goals and Objectives	DWQ Goals and Measures	
		<p>Application. The Utah 1422 UIC Program prepares two program narratives: one prior to the mid-year program review and another for the EOY report.</p> <p>STATUS: Narratives submitted including notice that DWQ won continued funding from EPA for geodatabase extension and maintenance. Completed. Narrative submitted 11/17/2020.</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.</p>
<p>Objective 1.2 – Provide for Clean and Safe Water Objective 3.3: Prioritize Robust Science: Refocus the EPA’s robust research and scientific analysis to inform policy making.</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 2020 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>

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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 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>STATUS: Bullet objectives a & b are completed for FY20. Bullet objective c has been completed with a draft implementation plan and bullet objective d is ongoing.</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 (aquatic life use criteria development) and 2 (monitoring).</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 develop and implement monitoring and assessment methods for GSL wetlands.</p> <p>g. As resources allow, fill the key data gaps identified by the 2016 Great Salt Lake Aquatic</p>

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EPA Goals and Objectives	DWQ Goals and Measures	
		<p>Life Use Resident Taxa Summary.</p> <p>h. Modify Utah's Water Quality Standards to ensure the long-term protection of the Willard Spur and GSL wetlands.</p> <p>STATUS: Bullet objectives a-d have been completed by FY 20. Bullet objectives e-h have made significant progress but ongoing.</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. Work with EPA staff on support materials to include with the headwater nutrient criteria when they are submitted for EPA approval.</p> <p>c. Work with stakeholders to develop an implementation strategy to support the recently adopted headwater numeric nutrient criteria.</p> <p>d. 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>e. Continue to meet with Utah's Nutrient Stakeholder Workgroups on outreach efforts in support of Utah's nutrient reduction efforts.</p> <p>f. Develop assessment processes and associated rules for a comprehensive nutrient reduction program.</p> <p>g. Continue to participate on TMDLs for nutrient-related impairments to ensure that, wherever possible, that the endpoint align with site-specific standard development.</p> <p>STATUS: Draft implementation and monitoring plans</p>

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EPA Goals and Objectives	DWQ Goals and Measures	
		have been developed while other objectives have made progress and ongoing.
	4. Develop and implement a long-term biological assessment program.	<ul style="list-style-type: none"> a. Maintain annual biological monitoring strategy that best balances the programmatic needs of stakeholders. Make the list of sites available for review and incorporated into the annual monitoring strategy. b. Collect physical habitat, macroinvertebrate, and periphyton samples at 25 probabilistic stream sites as well as ~15-25 targeted sites 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.

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EPA Goals and Objectives	DWQ Goals and Measures	
		<p>STATUS: Bullet objectives a & b have been completed for FY20. Bullet objectives c-g have made progress and are ongoing.</p>
	<p>5. Develop and implement responsive <i>e. coli</i> and Harmful Algal Bloom (HABs) Programs</p>	<p>a. Continue partnership development of outreach materials that communicate reporting <i>e. coli</i> results and cyanobacteria blooms, avoiding risks, and water recreation risks education.</p> <p>b. Continue development of agency-wide strategic communication: response, education, messaging and advisories.</p> <p>c. Update <i>e. coli</i> and HAB guidance, sampling and analysis plans, and SOP documents as necessary.</p> <p>d. Improve water recreation incident response reporting information and tracking.</p> <p>e. Improve collection and reporting efficiency</p> <p>f. Continue to develop early-warning systems for cyanobacteria at high-risk waterbodies.</p> <p>g. Update integrated report assessments related to <i>e. coli</i> and HABs.</p> <p>STATUS: These objectives have been completed for FY20 and will be ongoing for future</p>
<p>Objective 1.2 – Provide for Clean and Safe Water: Ensure waters are clean through improved water infrastructure and, in partnership with states and tribes, sustainably manage programs to support drinking water, aquatic ecosystems, and recreational, economic, and subsistence activities.</p>	<p>Monitoring and Reporting</p>	
	<p>1. Continue phase in of re-tooled monitoring program for DWQ according to established schedules.</p>	
	<p>2. Conduct Tier 1 (probabilistic), Tier 2 (targeted) and Tier 3 (programmatic) monitoring on a rotating basin schedule</p>	<p><u>Tier 1 Monitoring: Probabilistic</u></p> <p>a. Make improvements to probabilistic survey design. Complete 25 statewide probabilistic sites per year using UCASE field protocols when NRSA survey is not occurring.</p>

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EPA Goals and Objectives	DWQ Goals and Measures
	<p>b. Complete remaining National Rivers and Streams Assessment (September 2019). DWQ will not be participating in NARS in 2020 given the resource cycle (NCCA).</p> <p>STATUS: Complete</p> <p><u>Tier 2 Monitoring: Targeted</u></p> <p>a. Complete ambient intensive targeted monitoring in the Sevier-Beaver-Cedar Basins.</p> <p>b. Conduct lake sampling at targeted lakes/reservoirs in the Sevier-Beaver-Cedar Basins under the Priority Lakes Program. Also, sample requested lakes outside of the Sevier-Beaver-Cedar Basins that have unique circumstances (i.e. TMDL development; NPS; data gaps; suspect data; lakes of concern; etc.).</p> <p>c. Complete 10-15 targeted UCASE sites in the Sevier-Beaver-Cedar Basins. Sampling locations are re-visit sites from rotating probabilistic survey design from 2011 survey.</p> <p>d. Sample ~10-15 targeted UCASE sites statewide to address reference site conditions; NPS/restoration effectiveness; data gaps; increase data variability at a site.</p> <p>STATUS: Complete</p> <p><u>Cooperative Monitoring Program</u></p> <p>a. Monitoring program to allow for cooperators from other governmental agencies to collect water chemistry samples to address their data needs, but to also address DWQ data gaps and needs.</p>

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EPA Goals and Objectives	DWQ Goals and Measures
	<p>STATUS: Complete for FY2020 and ongoing</p> <p><u>Tier 3 Monitoring: Programmatic</u> Continue to implement a statewide mercury and selenium in fish tissue monitoring component as part of the long-term monitoring strategy as funding is available.</p> <ol style="list-style-type: none"> a. Utilize established workgroup to provide guidance and recommendations for the mercury/selenium monitoring program. b. Participate in the issuing of mercury fish consumption advisories as needed. c. Participate in triennial review preparations/discussion pertaining to Hg and Se. <p>STATUS: Complete and ongoing</p> <p><u>TMDL monitoring</u></p> <ol style="list-style-type: none"> a. Monitoring runs throughout the state to address data needs for WP Section to develop TMDLs. Parameters of concern are dependent on listed waterbody. <p>STATUS: Complete and ongoing</p> <p><u>Surface Water Compliance</u></p> <ol style="list-style-type: none"> a. Continue to Implement QUAL2K model sampling for permit renewal and wasteload development <p>STATUS: Complete and ongoing</p> <p><u>NPS Effectiveness Monitoring</u></p> <ol style="list-style-type: none"> a. Implement pilot study for Long-term monitoring stations to assess effects watershed restoration, long term trends and

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	<p>climate change and develop site specific sampling plans.</p> <p>STATUS: Complete and ongoing</p> <p><u>E. coli Cooperative Monitoring</u> Continue implementation of monitoring program for <i>E. coli</i> to facilitate informing Local Health Departments for recreational advisories and more rigorous assessment of recreational beneficial uses</p> <p>STATUS: Complete and ongoing</p> <p><u>Statewide Stormwater Monitoring Program</u> a. Develop a monitoring plan to characterize stormwater runoff impact to Utah's waterbodies.</p> <p>STATUS: Complete and ongoing</p> <p><u>Utah Lake Monitoring Program</u> a. A comprehensive monitoring program to characterize pollution sources into Utah Lake. This includes the development of a stormwater monitoring project.</p> <p>STATUS: Complete and ongoing</p> <p><u>Emerging Contaminants Monitoring Program</u> a. Development of a monitoring plan and program to address emerging contaminants of concern. PFAS is the primary focus currently.</p> <p>STATUS: Complete and ongoing</p>

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EPA Goals and Objectives	DWQ Goals and Measures	
		<p><u>Wetland Monitoring Program</u> a. Implementation of a wetland monitoring program to address standards development on impounded wetlands near the Great Salt Lake.</p> <p>STATUS: Complete and ongoing</p> <p><u>Harmful Algal Bloom Monitoring Program (HABs)</u> a. Monitoring program developed to address proactive (baseline) and response monitoring related to HABs.</p> <p>STATUS: Complete and ongoing</p> <p><u>Incident Response</u> a. Allocate staff and equipment resources to respond to unforeseen environmental impacts that affect surface and groundwater.</p> <p>STATUS: Complete and ongoing</p> <p><u>High Frequency Data Program</u> a. Continue to develop DWQ's High Frequency Data Program by deploying remote monitoring stations like buoys or sondes. Some will be telemetered. Dedicate staff time to develop sampling plans, data organization and implementation, and analysis.</p> <p>STATUS: Complete and ongoing</p>
<p>Objective 3.4- Streamline and Modernize: Issue permits more quickly and modernize our permitting and reporting systems.</p>	<p>3. Fully implement quality assurance system for water quality division including QAPPs, SOPs, annual monitoring plans, and new</p>	<p>a. Implement overhauled quality assurance system for water quality division i. New documentation requirements for continuous monitoring stations will be</p>

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EPA Goals and Objectives	DWQ Goals and Measures	
	documentation requirements for continuous monitoring.	<p>developed as part of the scoping and planning of pilot study</p> <p>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.</p> <p>b. Training in revised SOPs and QAPPs</p> <p>STATUS: DWQ continues to implement the Department-level Quality Management Plan and Division-level QAPP and SOPs for monitoring projects. The DWQ QAPP is scheduled for review in early 2021. Sampling and Analysis Plans continue to be reviewed and updated annually, with increasing participation from our sampling-project Cooperators.</p>
	4. Continue management of AWQMS	<p>a. Database populated with up-to date datasets and system in place for dynamic uploads to WQX.</p> <p>b. Biannual comparisons of data in AWQMS to data in Water Quality Portal to ensure accuracy and completeness.</p> <p>c. Training documents to support the use of AWQMS.</p> <p>d. Perform testing of new AWQMS patches/versions prior to updating.</p> <p>STATUS: DWQ's instance of the AWQMS database has been migrated from a local Oracle database management system to a private cloud-based SQL Server database management system. This migration to a private cloud server provides the following benefits: ability to</p>

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EPA Goals and Objectives	DWQ Goals and Measures	
		<p>receive and implement AWQMS updates more quickly, more efficient use of existing funds for AWQMS enhancements, and the ability to have analysis tools read data directly from the database. The ability to have analysis tools read data directly from the database will allow DWQ to more efficiently query, manage and quality control data within the database.</p> <p>DWQ's data review, validation, and verification process is currently in progress for the 2020 water year. Data collected for rivers and lakes during Quarters 1-4 of the 2020 water year are undergoing quality control checks and are planned to be imported after validation has been completed.</p> <p>Plans for the upcoming year include developing quality control scripts using open source software (e.g., R programming language) for quality assurance reviews of collected/imported data. Use of open source software will allow for increased consistency, efficiency, and accuracy of data quality control checks as well as increased automation of data processing.</p> <p>DWQ continues to maintain and update "How To" documents for: exporting monitoring locations, querying standard exports of data, and searching for monitoring locations.</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</p>	<p>a. Update monitoring strategy and place on website for public comment (Strategic Monitoring Plan) June 2020.</p> <p>b. Continue to apply for the 106 Monitoring Initiative funds to address data gaps and</p>

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EPA Goals and Objectives	DWQ Goals and Measures	
	monitoring council, and monitoring-related website elements	needs identified in monitoring strategy and to produce state-scale probability survey results. STATUS: Bullet A – delayed. Expected completion is 12/2020. Bullet B – Complete.
<p>Objective 3.4- Streamline and Modernize: Issue permits more quickly and modernize our permitting and reporting systems.</p>	<p>6. Complete combined 2018/2020 Integrated Report analysis of water quality data for submission to EPA by April 1, 2020</p>	<p>a. Compile and prepare all readily available and credible data for assessments and perform assessments. November 2019 b. Issue draft 2020 Integrated Report for a minimum 30-day public comment period and integrate public comments into final report. January 2020 c. Complete and submit 2018/2020 Integrated Report electronically in to the ATTAINS system. Transmit water quality data to EPA using the WQX framework to satisfy the general obligation to report water quality data annually. April 1, 2020</p> <p>STATUS: The draft combined 2018/2020 Integrated Report (IR) is currently out for public comment until December 21, 2020 and is posted here: https://deq.utah.gov/water-quality/combined-2018-2020-integrated-report. All files related to the draft combined 2018/2020 IR will be uploaded into ATTAINS by the end of the public comment period. DWQ will respond to comments and submit the final combined 2018/2020 IR to EPA in March, 2021.</p>

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Development of a Water Quality Credit Tracking Tool for the Jordan River

EPA Multipurpose Grant Request
August 22, 2019

PROJECT SUMMARY

In 2018, DWQ deferred completion of the Jordan River TMDL to incorporate an updated water quality model and to give municipalities along the Jordan River time to prepare for the first numeric limits for storm water pollution in the state. As part of this decision, the Division committed to communities the granting of credit in the final TMDL for efforts to reduce storm water pollution ahead of the regulation ([see letter](#)). This will largely be through storm water infrastructure retrofits and implementation of Low Impact Development practices. In addition, the Division has identified the Jordan River as an excellent opportunity to allow storm water municipalities (17) and publicly owned treatment works (5) to engage in trading to maximize the water quality benefit of public expenditures aimed at improving the Jordan River. Such an approach is supported by recent EPA guidance emphasizing water quality trading and integrated permitting ([see letter](#)). Both pre-compliance incentives and water quality trading will need to be grounded in a defensible tool that municipalities can rely upon to provide regulatory certainty. We have been reviewing tools and programs developed by other states (e.g. [Maryland](#) and [Minnesota](#)) and DWQ is now ready to develop a Water Quality Credit Tracking tool for the Jordan River. We have an RFP ready for release to eligible contractors that are pre-qualified on our Approved Vendor List.

MEASURES

We proposed to include the following metrics into the PPA in support of this project:

1. Develop a tool to support water quality credit tracking and trading along the Jordan River with the goal to maximize the water quality benefit of public expenditures aimed at improving the Jordan River by September 2020.
2. Make the tool available to the public and provide training as requested by regulated entities along the Jordan River by September 2021.
3. Incentivize the use of the tool by granting credit to communities that use the tool for efforts to reduce storm water pollution ahead of the compliance requirements that will be determined in the final Jordan River TMDL.

UDEQ FFY2020 END OF YEAR REPORT DIVISION OF WATER QUALITY

FFY2020 END OF YEAR STATUS

DWQ selected BARR Engineering (BARR) in early 2020 to complete the scope of work presented in our RFP released in December of 2019 to develop a water quality credit tracking tool for the Jordan River. This initial scope of work is the first of several steps needed to complete development of the tracking tool. Specifically, BARR was tasked with several objectives including: 1) conduct a literature review of existing tools that track BMPs and facilitate water quality trading, 2) conduct interviews of Jordan River Watershed permittees to solicit feedback on what type of tool they would like to see implemented, 3) investigate and document stormwater BMPs that are currently being used or are planned to be used by permittees, and 4) summarize all findings in a final report that also provides a set of recommendations on how DWQ should proceed with tool development including options for different tools and a timeline for development and implementation.

BARR is currently working to complete the final report that summarizes findings and lays a path forward for tracking tool development. DWQ anticipates this report by the end of 2020. Relying on BARR's recommendations, DWQ plans to develop a second scope of work that will focus on building and implementing the tracking tool. This work will also be contracted out through our RFP process with the intent to select a contractor by spring of 2021.

**UDEQ FFY2020 END OF YEAR REPORT
EXECUTIVE DIRECTOR'S OFFICE – BUSINESS ASSISTANCE**

EPA Goal and Objective	UDEQ Goal	UDEQ Measure
Objective 2.1 - Enhance Shared Accountability	<p>GOAL #1: Continue to manage the State Quality System Program and the QMP</p> <p>Internal Support Objectives:</p> <p>1. Ensure the acquisition of accurate, reliable and defensible environmental data and support associated assistance programs as a necessary element of the awards.</p>	<p>a. Annual report submitted to Region 8 by January 31 which:</p> <ul style="list-style-type: none"> · identifies any minor revisions needed and/or incorporated into the QMP during the preceding year; · confirms that the QMP approved by Region 8 is still in effect; and · includes complete signed electronic (i.e. pdf) copies of all QAPPs, by environmental program, which were self-approved by UDEQ during the preceding year. <p>b. Mid-year internal Quality Review.</p> <p>c. Notification submitted to Region 8 in the event of significant changes to the QMP.</p> <p>STATUS: Ongoing and up-to-date with QMP. The QAPP coordinators for each Division have met and confirmed the QMP and QAPP.</p>
Objective 3.2 - Create Consistency and Certainty	<p>GOAL #2: 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.</p> <p>b. Pre-design permitting meetings are held.</p> <p>c. Cross-divisional, sector specific focus in outreach activities developed and implemented, as appropriate.</p> <p>d. Business assistance Web pages are regularly updated.</p> <p>e. Opportunities are taken to encourage consistent business assistance policies within UDEQ.</p> <p>f. Regular coordination with GOED, EDCU, business assistance providers, Chambers of Commerce, and professional associations.</p> <p>STATUS: Ongoing.</p> <p>Receive about 15 requests/month to assist small businesses with permitting, what is hazardous waste, type of generator, etc.</p>

**UDEQ FFY2020 END OF YEAR REPORT
EXECUTIVE DIRECTOR'S OFFICE – BUSINESS ASSISTANCE**

EPA Goal and Objective	UDEQ Goal	UDEQ Measure
		<p>b. We held 1 pre-design meeting since 1/2020 and have one business working with in 2021.</p> <p>c. When interact with small businesses, make sure to discuss DEQ Division permits that may affect their business. <i>What permits do they need?</i></p> <p>d. Created a user-friendly, current website that has been very beneficial for small businesses trying to navigate their environmental permits.</p> <p>e. Reached out to Divisions to make certain that proper instruction about permitting/regulations/rules are being given to small businesses making requests.</p> <p>f. Working with Utah Manufacturers Association, and Small Business Assistance/SBIR as well as Chambers of Commerce. Also reached out to GOED and EDCU. Reached out to Business Departments in Higher Education to educate and partner with Higher Learning groups.</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.</p> <p>b. Availability of ombudsman is promoted on website and as part of informational presentations, as appropriate.</p> <p>c. Number of businesses contacted for DEQ feedback.</p> <p>d. Number of responses from business.</p> <p>e. Issues brought to ombudsman are appropriately handled.</p> <p>f. Opportunities are taken to encourage small business considerations in UDEQ policy development.</p> <p>g. Small businesses receive DEQ assistance with the permitting process and other programs as needed.</p> <p>h. Number of business visited in Ombudsman outreach initiative.</p>

**UDEQ FFY2020 END OF YEAR REPORT
EXECUTIVE DIRECTOR’S OFFICE – BUSINESS ASSISTANCE**

EPA Goal and Objective	UDEQ Goal	UDEQ Measure
		<p>i. Annual EPA Small Business Assistance Program report is completed.</p> <p>STATUS:</p> <p>a. Small Business CAP remains active with quarterly meetings and additional email updates. Have added 2 new members to the CAP. The CAP has the possibility of having a sunset clause vote in 2023. The CAP currently has a strong working group and would like to continue meeting to assist small business if the CAP SIP sunsets.</p> <p>b. The SBO is promoted on our website and also on our new Customer Survey that DDW is currently using. We hope to have more outreach with the SBO within the coming 2021 year.</p> <p>c. The Customer Survey has been in a transition phase. We are looking at how we can get the best information to serve the State of Utah. Alongside DDW, we have created a working Customer Survey that has gone out to 140 DEQ customers. We hope to have a customer survey in each of the Divisions by 2021.</p> <p>d. We have received approximately 20 responses from businesses and are looking at improving the response rate and retrieving better information from customer.</p> <p>e. Ongoing – responded by looking into issue/complaint and responded accordingly.</p> <p>f. Consideration for small business is taken into account when we are working on regulations and other programs that could benefit businesses especially small businesses. Our goal is to let them know about grants that would be beneficial to their company, new rules/regulations that are being re-worked and pollution prevention techniques that could save them money and help the environment.</p>

**UDEQ FFY2020 END OF YEAR REPORT
EXECUTIVE DIRECTOR'S OFFICE – BUSINESS ASSISTANCE**

EPA Goal and Objective	UDEQ Goal	UDEQ Measure
		<p>g. The goal of the SBEAP program is to assist small businesses in navigating the environmental permitting process so that is more beneficial for them.</p> <p>h. At least 150 small businesses were reached out to directly. More companies were indirectly made aware of the SBO.</p> <p>i. Ongoing in working with the Divisions and the businesses to create the Annual report.</p>

**UDEQ FFY2020 END OF YEAR REPORT
OFFICE OF PLANNING AND PUBLIC AFFAIRS
Stakeholder Involvement**

EPA Goal and Objective	EPA Measurement	UDEQ Goal	UDEQ Measure
Supports All Strategic Goals		<p>CUSTOMER SERVICE</p> <p>GOAL: 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.</p> <p>b. Develop an annual state of Utah environment report that highlights metrics that show how the environment has improved over time. Develop 'success stories' that show how DEQ achieved the improvements and developed innovations for a more efficient process.</p> <p>c. Spotlight issues and achievements with weekly blogs</p> <p>d. Promote and employ DEQ's website to public access to science-based information in an understandable context. E.g. habs.utah.gov</p> <p>STATUS:</p> <p>a. Successful in utilizing social media to inform public of issues. Increased response to our Facebook posts and our Twitter tweets.</p> <p>b. Successful in developing an annual state of Utah Environmental Report that highlights DEQ's accomplishments. Looking at where we have been and how much each Division has improved with their goals.</p> <p>c. Successful in putting out weekly blogs that involve programs that are making a difference in our State.</p> <p>d. Successful in creating a "user-friendly" website that simplifies scientific programs for the population being served.</p>

**UDEQ FFY2020 END OF YEAR REPORT
OFFICE OF PLANNING AND PUBLIC AFFAIRS
Stakeholder Involvement**

EPA Goal and Objective	EPA Measurement	UDEQ Goal	UDEQ Measure
		<p>Stakeholder Involvement Objectives: As needed assist DEQ programs and project managers with outreach and web resources for specific projects.</p>	<p>a. Develop issue-specific communications plans. b. Create collateral materials like videos, fact sheets, info-graphics that help communicate issues to the public. c. Utilize Google analytics and other means to measure outcomes of outreach and adjust strategy when needed. STATUS: a. Successful in creating issue-specific communication plans. b. Creating fact sheets, videos, and infographics to accelerate understanding of scientific concepts that relate to the environment. c. Utilize google analytics with all of our programs to determine where we have been successful with our communication efforts and where we can increase our outreach efforts. Google Analytics has proved to be a useful tool for all programs within DEQ.</p>
Supports All Strategic Goals		<p>Media Relations Objective: 1. Assist PIO with UDEQ media relations. 2.. Utilize DEQ’s social media channels to highlight ‘calls to action’ on air quality, harmful algal blooms and other issues. E.g. Facebook group pages developed for air quality and water issues.</p>	<p>a. Web site improved for better customer service. b. PIO back-up is provided. c. UDEQ media policy is followed. STATUS: a. Website is constantly undergoing “user-friendly” changes that simplifies scientific programs for the population being served. b. PIO back up is provided. c. UDEQ Media Policy is being successfully followed. Unveiled a new DEQ Media Policy.</p>
		<p>Branding Objective: Continue to define and establish DEQ’s brand to help the public better engage with DEQ.</p>	<p>a. Continued development and promotion of DEQ’s brand. STATUS: a.Promoting DEQ’s branding consistently in Presentations, Promotional materials, etc.</p>

**UDEQ FFY2020 END OF YEAR REPORT
OFFICE OF PLANNING AND PUBLIC AFFAIRS
State Indoor Radon Grant**

EPA Goal and Objective	EPA Measurement	UDEQ Goal	UDEQ Measure
<p>Goal 1: A Cleaner, Healthier Environment</p> <p>Objective 1,1 Improve Air Quality</p>	<p>Reduce Exposure to Indoor Air Pollution</p>	<p>Continue the fundamental activities regarding the EPA Radon Grant.</p>	<p>1. Promote new home construction with radon resistant technology.</p>
			<p>b. Conduct at least three educational training courses entitled, "Radon Resistant New Construction." The course will offer continuing education core credits by the Utah Department of Commerce, Division of Occupation and Professional Licensing (DOPL) and will be held throughout various areas of the state. STATUS: Working with Builders to encourage building with Radon Resistant New Construction (RRNC)</p>
			<p>c. Promote Radon Resistant New Construction by reaching out to Utah home builders through personal contacts, educational courses, advertising, and home show exhibits. STATUS: Accomplished by working with the Builders in the State of Utah to encourage building with RRNC. Successful in promoting RRNC with the municipalities that are building new homes in their township.</p>
			<p>d. Assist Utah Habitat for Humanity in its building projects by providing RRNC training. Assist Green and Healthy Homes with providing mitigation and RRNC training. STATUS: Provide training for GHHI and Habitat for Humanity employees/staff that are working with RRNC directly and building Radon out of new homes and buildings.</p>
			<p>e. Recognize and acknowledge home builders who are building RRNC homes in Utah via the Radon.Utah.Gov website, public events, and/or at Radiation Control Board meetings. STATUS: Recognize homebuilders that build all homes with RRNC with Media and at Real Estate classes taught.</p>

**UDEQ FFY2020 END OF YEAR REPORT
OFFICE OF PLANNING AND PUBLIC AFFAIRS
State Indoor Radon Grant**

EPA Goal and Objective	EPA Measurement	UDEQ Goal	UDEQ Measure
			<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). STATUS: Successfully been a part of the planning committee for the National Radon Conferences and Symposiums. Utah is recognized as being on the E-25 planning committee for CRCPD. Participate in webinars.</p> <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 (DRE) and will be held throughout various areas. STATUS: Taught 10 Radon Real Estate courses, teaching approximately 200 realtors. The realtors receive CE credit for the course.</p> <p>b. Coordinate annual meetings for radon mitigators, measurement providers, and home inspectors to clarify EPA standards and protocols. STATUS: Planned and held at least 4 meetings for mitigator and measurement professionals.</p> <p>c. Recognize and acknowledge Realtors who are radon educated on the Radon.Utah.Gov website. STATUS: Acknowledge the realtors on the UDEQ website for taking the "Radon for the Real Estate Professional" course.</p>

**UDEQ FFY2020 END OF YEAR REPORT
OFFICE OF PLANNING AND PUBLIC AFFAIRS
State Indoor Radon Grant**

EPA Goal and Objective	EPA Measurement	UDEQ Goal	UDEQ Measure
			<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> <p>b. Continue working with the Huntsman Cancer Institute in raising awareness in the state. Outreach activities will include attending the 2019 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 Piute tribe and the Shoshone tribe).</p> <p>STATUS: Continuing to work on this project and relationships. Working on mitigating two homes on the Goshute reservation.</p> <p>e. Continue partnership with Intermountain Health Care (IHC) and other women/newborn centers by supplying</p>

**UDEQ FFY2020 END OF YEAR REPORT
OFFICE OF PLANNING AND PUBLIC AFFAIRS
State Indoor Radon Grant**

EPA Goal and Objective	EPA Measurement	UDEQ Goal	UDEQ Measure
			<p>hospitals with newborn radon packet information, which started December 2003 (FY04)</p> <p>STATUS: Continues to be extremely positive way of educating new families about what radon is and encourage testing for radon by providing a free radon test kit.</p> <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: Measurable success with GHHI and testing and mitigating of all GHHI homes in Salt Lake County.</p> <p>g. Provide radon education to the public through the National Radon Poster Contest, National Radon Action Month activities, Radon.Utah.Gov website, press releases, media appearances and advertisements, Governor's Declaration, school science projects, and scout eagle projects.</p> <p>STATUS: Accomplished skillfully with the assistance of local health department coordinators/experts. In addition, we created a new Radon Poster Contest Video. Our goal in creating the video was to include home schooled children during the COVID outbreak. Had a good size article about Poster contest in the Deseret News. We have applied for a Declaration for NRAM and hope to meet with the new governor of Utah.</p> <p>h. Promote state radon legislation as opportunities arise.</p> <p>STATUS: Had the opportunity to present to Legislative committee. Continue to be the radon expert for the legislature when questions arise.</p>

**UDEQ FFY2020 END OF YEAR REPORT
OFFICE OF PLANNING AND PUBLIC AFFAIRS
State Indoor Radon Grant**

EPA Goal and Objective	EPA Measurement	UDEQ Goal	UDEQ Measure
			<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> <p>STATUS: Tracking articles both locally and nationally is extremely helpful when looking at outreach and how our program can be more successful.</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: Tracking educational opportunities and thinking of creative approaches on how to raise awareness of radon.</p> <p>c. Continue to track phone calls, visits on the DEQ Radon website (.Radon.Utah.Gov), and email inquiries.</p> <p>STATUS: Tracking phone calls, web hits to Radon.Utah.Gov website and emails. This information is available in my EPA Yearly report.</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: 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.</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>

**UDEQ FFY2020 END OF YEAR REPORT
OFFICE OF PLANNING AND PUBLIC AFFAIRS
State Indoor Radon Grant**

EPA Goal and Objective	EPA Measurement	UDEQ Goal	UDEQ Measure
			<p>STATUS: Tracking the number of RRNC being built into new homes via builders and certified mitigators.</p> <p>f. Continue to track free radon test kit orders that come through the IHC newborn radon packets.</p> <p>STATUS: 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.</p> <p>g. Continue to track the number of homes mitigated quarterly by radon mitigation service providers.</p> <p>STATUS: Collecting data on number of homes mitigated by certified radon mitigators.</p>
			<p>5. Testing and, where necessary, mitigating schools for radon and radon decay progeny.</p> <p>a. Educate School District Administrators about the health hazard associated with exposure to radon and promote radon testing in schools.</p> <p>STATUS: Encourage testing in all school districts throughout the state.</p> <p>b. Provide discounted radon test kits to school districts for testing, as requested.</p> <p>STATUS: Provide radon test kits to school districts for testing of schools. Also, provide continuous radon monitor testing in schools where elevated levels were found.</p> <p>c. Continue assisting school districts with education and radon testing programs.</p> <p>STATUS: Working with school districts with education and radon testing programs.</p>

**UDEQ FFY2020 END OF YEAR REPORT
OFFICE OF PLANNING AND PUBLIC AFFAIRS
State Indoor Radon Grant**

EPA Goal and Objective	EPA Measurement	UDEQ Goal	UDEQ Measure
			<p>d. Solicit school districts to participate in National sponsored “Radon in Schools” Webinars.</p> <p>STATUS: Successful in promoting Webinars: “Radon in Schools” and the EPA IAQ Webinars to school districts in Utah.</p>

UDEQ FFY 2020 END OF YEAR REPORT SUPPORT SERVICES

EPA Goal and Objective EPA Measure	UDEQ Goal	UDEQ Measure
Supports All Strategic Goals	I. VALUE: EXCEPTIONAL SERVICE 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 FY2020 PPA is successfully coordinated and final document is submitted to EPA. b. Process for completion of End-of-Year Report for FY 2019 PPA is coordinated with Divisions and is submitted to EPA. STATUS: FY20 PPA was successfully completed and submitted to EPA and then signed by the RA. FY19 End of Year Report was submitted to EPA in December, 2019
	2. Continue to provide the financial application for the Performance Partnership Grant.	a. Complete the PPG grant and all necessary amendments and changes within prescribed due dates. STATUS: Completed
Supports all Strategic Goals	VALUES: COMMITMENT TO EMPLOYEES; EXCEPTIONAL SERVICE GOAL: Fully utilize our major resource.	
	<u>Leadership Training</u> Support UDEQ leadership development initiative.	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. STATUS: Successfully completed and ongoing.

APPENDIX
UTAH DIVISION OF DRINKING WATER UDI STATUS REPORT – 12/30/2020