



**Utah Department of Environmental Quality
FFY 2022 PERFORMANCE PARTNERSHIP AGREEMENT
End of Year Report
December 2022**

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Introduction

This End of Year Report documents the accomplishments of the Utah Department of Environmental Quality under the FFY22 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>

**UDEQ FY22 End of Year Report
Executive Director's Office
Business Assistance**

Business Assistance		
EPA Goal and Objective	UDEQ Goal	UDEQ Measure
Objective 1.1 - Enhance Shared Accountability	GOAL #1: Continue to manage the State Quality System Program and the QMP	
	<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. Utah's QMP was approved by EPA in January 2018. The QMP's period of performance runs through January 2023. By August 2022, the Department will submit an updated QMP for EPA review and approval.</p> <p>B. The annual report is due on August 31st of each year. UDEQ's annual report submitted to R8 will summarize its review of the quality system including:</p> <ul style="list-style-type: none"> i. Documented review of the QMP using the EPA R8 Quality Management Plan Crosswalk docx and submit a revision or update if necessary. ii. Listing of QA training provided within the Department for the previous year including training provider, dates of training, and number of attendees; iii. Identification of all QA documents including status (current/reviewed/approved) and whether the QA document is for new or continuing projects; iv. Reporting of all assessments conducted in the previous year and the corrective actions taken to resolve and findings; and v. Reporting if there are real or perceived risks or vulnerabilities in the quality system that needs to be addressed or if support is needed from EPA Region 8. <p>STATUS: QMP was submitted to EPA for Approval in September 2022. The QMP underwent QMP Crosswalk review before UDEQ approval and was passed along for approval to EPA.</p>

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Business Assistance		
EPA Goal and Objective	UDEQ Goal	UDEQ Measure
		<p>The QAPP coordinators for each Division meet at least once per year and have coordinated and passed off on the QMP and QAPP's. UDEQ has completed a QAPP for Lead Free Learning for DDW and a QAPP for the Radon Program. Both of those QAPPS have been subject to two QAPP Crosswalks each. UDEQ has completed EOY QA/QC forms. A new template was created by UDEQ.</p>
Objective 2.1 - Create Consistency and Certainty	GOAL #2: Promote a sustainable relationship between economic development and environmental protection by coordinating work with businesses and related organizations.	
	<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. b. Pre-design permitting meetings are held. c. Cross-divisional, sector specific focus in outreach activities developed and implemented, as appropriate. d. Business assistance Web pages are regularly updated. e. Opportunities are taken to encourage consistent business assistance policies within UDEQ. f. Regular coordination with GOED, EDCU, business assistance providers, Chambers of Commerce, and professional associations.</p> <p>STATUS: Ongoing.</p> <p>a. Receive about 15 requests/month to assist small businesses with permitting, e.g. what is hazardous waste, type of generator, what needs to be done for permitting, etc. b. Organized and collaborated multiple pre-design meetings for all sizes of business. SBEAP is an efficient program for businesses to be in a meeting with all five Divisions because the experts are available</p>

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Business Assistance		
EPA Goal and Objective	UDEQ Goal	UDEQ Measure
		<p>to answer questions about permitting for their respective company.</p> <ul style="list-style-type: none"> c. Ongoing assistance within each of the Divisions with new and/or upcoming policy changes. d. Web pages that are designed to assist businesses are updated regularly. e. Confirmed ongoing. f. Successful partnerships and collaborations. For example, DEQ participated in the SBA Roadshow in rural parts of Utah.
	<p>2. Serve as Small Business Ombudsman for UDEQ.</p>	<ul style="list-style-type: none"> a. Air Quality Small Business Compliance Panel remains active and quarterly meetings are held. b. Availability of ombudsman is promoted on website and as part of informational presentations, as appropriate. c. Number of businesses contacted for DEQ feedback. d. Number of responses from business. e. Issues brought to ombudsman are appropriately handled. f. Opportunities are taken to encourage small business considerations in UDEQ policy development. g. Small businesses receive DEQ assistance with the permitting process and other programs as needed. h. Number of business visited in Ombudsman outreach initiative. i. Annual EPA Small Business Assistance Program report is completed.

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Business Assistance**

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		<p>j. Create a user-friendly website that is easy for small-business to understand the environmental permitting process.</p> <p>STATUS:</p> <ul style="list-style-type: none"> 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 by the state legislature. The CAP currently has a strong working group and would like to continue meeting to assist small business if the CAP SIP sunsets. 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 year. 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. DDW continues to monitor their level of service through a survey to their customers. d. We have received approximately 20 responses from businesses and are looking at improving the response rate and retrieving better information from customers. e. Ongoing – responded by looking into issue/complaint and responded accordingly. f. Consideration for small businesses when we are working on regulations and other programs that could benefit businesses

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Business Assistance**

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EPA Goal and Objective	UDEQ Goal	UDEQ Measure
		<p>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> <p>g. The goal of the SBEAP program is to assist small businesses in navigating the environmental permitting process so that it is more beneficial for them.</p> <p>h. At least 150 small businesses were contacted 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 to better understand the effectiveness of the Ombudsman outreach initiative.</p> <p>j. Continuing work on creating easy to navigate website for small businesses.</p>

**UDEQ FY22 End of Year Report
Executive Director's Office
Stakeholder Involvement**

Stakeholder Involvement		
EPA Goal and Objective	UDEQ Goal	UDEQ Measure
Supports All Strategic Goals	EXCEPTIONAL SERVICE. CREDIBILITY AND TRUST	
	Public Education Objectives: Design and implement issue-specific campaigns to inform and involve the public.	a. Proactively employ traditional and social media to inform public of issues and programs. b. Develop an annual state of Utah environment report that highlights metrics that demonstrates the work of individual Divisions. Develop 'success stories' that show how DEQ achieved the improvements and developed innovations for a more efficient process. c. Spotlight issues and achievements with monthly blogs. d. Promote and employ DEQ's website to public access to science-based information in an understandable context. E.g. habs.utah.gov
	Stakeholder Involvement Objectives: 1. As needed assist DEQ programs and project managers with outreach and web resources for specific projects. 2. Identify opportunities for proactive outreach and partnerships.	a. Develop issue-specific communications plans. b. Create collateral materials like videos, fact sheets, infographics, and social media 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.
Supports All Strategic Goals	Media Relations Objective: 1. Subject matter experts participate in successful media interviews supported by Comms. 2. Utilize DEQ's social media channels to highlight 'calls to action' on air quality, harmful algal blooms and other issues.	a. Website improved and adheres to Plain Language best practices for better customer service. b. UDEQ media policy is followed and UDEQ continues to be a trusted source of information for the media and public.
	Branding Objective: 1. Continue to define and establish DEQ's brand to help the public better engage with DEQ.	a. Continued development and promotion of DEQ's brand. b. Tools and information provided to Divisions to support them in maintaining brand consistency in all public communications.

**UDEQ FY22 End of Year Report
OFFICE OF PLANNING AND PUBLIC AFFAIRS
State Indoor Radon Grant**

State Indoor Radon Grant			
EPA Goal and Objective	EPA Measurement	UDEQ Goal	UDEQ Measure
<p>Goal 1: Core Mission: A Cleaner, Healthier Environment</p> <p>Objective 1.1 Improve Indoor Air Quality Work</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>a. 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>b. Promote Radon Resistant New Construction by reaching out to Utah home builders through personal contacts and partners, 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>c. 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>d. 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. Award a homebuilder building w/RRNC at the EPA Region 8 Radon Stakeholder meeting when in Utah.</p>

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State Indoor Radon Grant**

State Indoor Radon Grant			
EPA Goal and Objective	EPA Measurement	UDEQ Goal	UDEQ Measure
			<p>e. 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 4 Radon Real Estate courses, teaching approximately 100 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 certified measurement and mitigator 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>
			<p>3. Develop coalitions with local governments, partner affiliates and other radon risk reduction leaders.</p>

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State Indoor Radon Grant**

State Indoor Radon Grant			
EPA Goal and Objective	EPA Measurement	UDEQ Goal	UDEQ Measure
			<p>STATUS: Proficient at establishing great working relationships and collaborations with the 12 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 2022 University Health Care Be Well Utah Family Health Fair. STATUS: Successful completion of these activities. Collaborate with Huntsman Cancer Institute several times/year, providing effective collaboration 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. STATUS: Successful completion of these activities.</p>
			<p>d. Provide assistance when requested by tribal organizations throughout Utah (specifically, the Confederated Goshute Tribe). STATUS: Continue to work on testing and mitigating homes with elevated radon levels.</p>
			<p>e. Continue partnership with Intermountain Health Care (IHC) and other women/newborn centers by supplying hospitals with newborn radon packet information, which started December 2003 (FY04) STATUS: This continues to be an extremely beneficial 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. STATUS: Measurable success with GHHI through testing and mitigating of all GHHI homes in Salt Lake County.</p>

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State Indoor Radon Grant			
EPA Goal and Objective	EPA Measurement	UDEQ Goal	UDEQ Measure
			<p>GHHI tests approximately 150 homes/year and mitigates if elevated radon levels are found.</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 eagle scout projects STATUS: We accomplished all of these tasks, engaging the assistance of local health department coordinators/experts. In addition, we created a new Radon Poster Contest Power Point Presentation & Curriculum for teachers as well as a video. Our goal in creating the PP, curriculum and video was to assist teachers and home-schoolers to more easily learn about radon. 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. Work with DNR on creating Radon Task Force as advised by HB45 2021. STATUS: Had the opportunity to present several times to legislative Natural Resources, Environment and Agriculture Interim committee. Continue to provide expert guidance and support to the state legislature when requested.</p> <p>i. Host the 2022 EPA Region 8 Radon Stakeholders Conference in Moab, Utah in April. STATUS: Successfully hosted the EPA R8 Radon Stakeholders meeting in Moab Utah.</p> <p>4. Determine (track) and measure results with respect to awareness levels, testing frequency, mitigation, and radon resistant new construction.</p> <p>a. Continue to track local and national media articles about radon and the health hazard associated with exposure to elevated levels.</p>

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State Indoor Radon Grant			
EPA Goal and Objective	EPA Measurement	UDEQ Goal	UDEQ Measure
			<p>STATUS: Continue to track articles both locally and nationally. This 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). STATUS: Tracking educational opportunities and developing 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. STATUS: Tracking phone calls, web hits to Radon.Utah.Gov website and emails. This information is available in the 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. 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. 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. STATUS: Tracking the Newborn Radon coupon orders. We keep data on how many coupons go to the multiple hospitals, and from which hospitals we receive the coupons from, etc.</p>
			<p>g. Continue to track the number of homes mitigated quarterly by radon mitigation service providers.</p>

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State Indoor Radon Grant**

State Indoor Radon Grant			
EPA Goal and Objective	EPA Measurement	UDEQ Goal	UDEQ Measure
			<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. 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. 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. Test schools for radon when requested, focusing in rural areas.</p>
			<p>c. Continue assisting school districts with education and radon testing programs. STATUS: Working with school districts with education and radon testing programs.</p>
			<p>d. Solicit school districts to participate in National sponsored "Radon in Schools" Webinars. STATUS: Successful in promoting Webinars: "Radon in Schools" and the EPA IAQ Webinars to school districts in Utah.</p>

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State Indoor Radon Grant**

**United States Environmental Protection Agency (EPA)
State Indoor Radon Grant (SIRG) Program**

Attachment A: Terms and Conditions for FY2022 SIRG Funds

Grant-specific Programmatic Conditions

A. PERFORMANCE REPORTING AND FINAL PERFORMANCE REPORT

Performance Reporting for FY2022: The recipient shall submit to the EPA Project Officer activities conducted October 1, 2021 through September 30, 2022, using the SIRG Reporting Template by October 29, 2022. The template and additional guidance on SIRG reporting is posted here: <https://www.epa.gov/radon/state-indoor-radon-grants-resources>.

- I. The recipient shall also submit to the EPA Project Officer a midyear report covering the first half of fiscal year's work (from October 1-March 31) by April 30, 2022. The new template can be used.

Performance Reports – Content

In accordance with 2 CFR 200.328, the recipient agrees to submit performance reports that include brief information on each of the following areas: 1) A comparison of actual accomplishments to the outputs/outcomes established in the assistance agreement work plan for the period; 2) The reasons why established outputs/outcomes were not met; and 3) Additional pertinent information, including, when appropriate, analysis and explanation of cost overruns or high-unit costs.

Additionally, the recipient agrees to inform EPA as soon as problems, delays, or adverse conditions which will materially impair the ability to meet the outputs/outcomes specified in the assistance agreement work plan are known.

Interim performance and final progress reports must prominently display the three Essential Elements for state work plans: 1) Strategic Plan Goal; (2) Strategic Plan Objective; and (3) Workplan Commitments plus time frame. (See [Grants Policy Issuance 11-03 State Grant Workplans and Progress Reports](#) for more information)

B. PUBLIC LIST

The IRAA Section 306(h)(3) requires that state grant recipients shall "...maintain, and make available to the public, a list of firms and individuals within the State that have received a passing rating under the Environmental Protection Agency proficiency rating program referred to in Section 305(a)(2) of this title." When EPA discontinued the Radon Proficiency Program, two organizations were identified to certify radon service

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providers -- the National Radon Proficiency Program (NRPP; formally affiliated with the National Environmental Health Association) and the National Radon Safety Board (NRSB). As specified in the “State and Tribal Indoor Radon Grants Program Guidance and Handbook (January 2005; page 11),” in the absence of an existing state-run process established under a state’s regulatory requirements for credentialing of radon service providers (e.g., state license), the required public list shall only be satisfied by referring consumers to the two currently-recognized, national radon proficiency programs, NRPP and NRSB. This information is available at:

- National Radon Proficiency Program (NRPP) (Website: <http://aarst-nrpp.com/wp/>)
- National Radon Safety Board (NRSB) (Website: <http://www.nrsb.org/>)

C. GUIDELINES

https://www.epa.gov/sites/production/files/2014-08/documents/guidance_and_handbook.pdf

UDEQ FY22 End of Year Report DIVISION OF AIR QUALITY

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: State Implementation and Maintenance Plans have been developed and/or revised to meet federal law and submitted to EPA according to established timeframes.</p>
			<p>b. All measures contained in the SIP approved by the Air Quality Board are fully implemented. STATUS: All approved measures in the SIP are being implemented.</p>
		<p>2. Develop and improve appropriate inventories.</p>	<p>a. The Title V inventory is collected 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: The Title V inventory was collected by April 15 and required inventory data was entered into the NEI by December 31. Non-HAP/non-Criteria/non-MACT regulated pollutants are inventoried as required. Inventories required for the SIPs and Maintenance Plans were developed and submitted to EPA for review along with appropriate technical support.</p>
		<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: Increment consumption for major sources in PSD areas is tracked.</p>
		<p>4. Maintain an adequate ambient air quality monitoring program meeting the</p>	<p>a. The annual Monitoring Network Plan is completed and submitted to EPA by July 1. The monitoring</p>

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DIVISION OF AIR QUALITY**

Division of Air Quality			
EPA Goal and Objective	EPA Measurement	UDEQ Goal	UDEQ Measure
		requirements of 40 CFR Part 58 to assess public exposure to air pollutants and to establish the attainment status.	<p>network is evaluated and modified to reflect the most recent changes in funding and national monitoring requirements to optimize the network.</p> <p>b. The PM2.5 monitoring network is maintained and operated as appropriate funding is received from EPA.</p> <p>c. Monitoring data are submitted to EPA 90 days after each quarter.</p> <p>d. Locations for new monitoring sites are based on current emission inventories, air quality modeling and EPA regulation.</p> <p>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).</p> <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. Continue operating the PAMS as included in the most current Annual Monitoring Network Plan contingent upon available funding from EPA.</p> <p>STATUS: The annual monitoring network plan was completed and submitted by July 1. The plan was approved by EPA in a letter received on October 21, 2022. The PM2.5 monitoring network is maintained and operated as funded by the EPA. Monitoring data were submitted to EPA 90 days after each quarter. New monitoring sites are located in accordance with modeling and EPA regulations. Changes in the national monitoring network are incorporated into the annual plan. The NATTS site is operated in accordance with the most recent QAPP.</p>

UDEQ FY22 End of Year Report DIVISION OF AIR QUALITY

Division of Air Quality			
EPA Goal and Objective	EPA Measurement	UDEQ Goal	UDEQ Measure
		5. Maintain the compliance status of air pollution sources in the state.	<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: The CMS is submitted to EPA no later than November 15 each year. CMS sources are flagged in ICIS-AIR. Asbestos notification, certification and outreach programs are ongoing. On-site inspections were performed at over 120 locations. The AHERA TSCA work program is ongoing and follows the approved AHERA Grant Work Plan.</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>STATUS: An EPA approved Operating Permits Program continues and the provisions of the Acid Rain Act are implemented.</p>

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DIVISION OF AIR QUALITY**

Division of Air Quality			
EPA Goal and Objective	EPA Measurement	UDEQ Goal	UDEQ Measure
		7. Continue issuing approval orders for new sources and modifications of the existing approval orders.	<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: Protection of the NAAQS and PSD increment ceilings in Class I and Class II areas are demonstrated through the permitting process. BACT/LAER determinations information is provided to EPA and/or entered into the clearinghouse.</p>
		8. Quality Assurance programs are reviewed for effectiveness.	<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: Statistical quality standards were met for data collection and inventories prepared by the state. All rules, regulations, procedures policies and protocols are complied with. Regulatory activities were documented along with technical support. The air program results appear to be adequate to the state and EPA.</p>

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Division of Air Quality			
EPA Goal and Objective	EPA Measurement	UDEQ Goal	UDEQ Measure
		9. Maintain the small business environmental assistance program (SBEAP) to actively assist small businesses to comply with rules of the Board.	<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: Educational assistance is offered to small businesses. The Small Business Compliance Advisory Panel strives to increase the effectiveness of the SBEAP. It should be noted that the Utah Legislature has finalized the sunset clause for the SBCAP and it will end on June 30, 2023. DAQ notified EPA of this change in 2021 and is working to continue meeting the air quality needs of small businesses. Assistance tracking is conducted and modified as necessary.</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>a. Necessary burn approval and denial decisions made by the Smoke Program Coordinator and Division Director are coordinated with partner agencies.</p> <p>b. The rules and SIP are revised as needed to implement revisions to the FLM burn policies and practices, particularly regarding Use of Wildland Fire issues.</p> <p>STATUS: Burn approval/denial decisions are coordinated with partner agencies. Rules and SIP's are revised as needed to include current FLM policies and practices.</p>
		11. Work with EPA to obtain federal action on new SIP submittals, and on the backlog of State submittals,	<p>a. Appropriate assistance is provided to EPA staff responsible for completing federal action on each submittal to facilitate final EPA action on each.</p>

**UDEQ FY22 End of Year Report
DIVISION OF AIR QUALITY**

Division of Air Quality			
EPA Goal and Objective	EPA Measurement	UDEQ Goal	UDEQ Measure
			<p>STATUS: Assistance is provided to EPA as requested to complete federal SIP actions.</p>
		<p>12. Implement designated facility plans, NSPS, NESHAPS, MACTs, CTGs and RACT.</p>	<p>a. MACT Standards that apply to sources in Utah are adopted through rulemaking and implemented through the Operating Permit process as they are developed and promulgated by EPA.</p> <p>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: MACT and NSPS standards are adopted and implemented as required after EPA develops and promulgates rules. RACT rules are implemented as appropriate. RACT determinations are reviewed and updated when necessary. UDAQ staff participates in required meetings, shares information and develops resources necessary to identify and address air pollution sources throughout the state as resources allow.</p>

UDEQ FY22 End of Year Report DIVISION OF AIR QUALITY

Division of Air Quality			
EPA Goal and Objective	EPA Measurement	UDEQ Goal	UDEQ Measure
		13. Submit monitoring data to EPA as required.	<p>a. Quality assured ambient air pollution data is submitted to AQS no later than 90 days after each calendar quarter.</p> <p>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: QA data is submitted to AQS as required. Data precision and accuracy assessments are submitted to ICIS-Air within 90 days of the end of each quarter. ICIS-Air is updated with MDR, CMS and HPV data in accordance with policies. Data summary reports are available for public use.</p>
		14. Respond to questions from the public regarding air quality issues.	<p>a. Ambient air quality data is provided to the AirNow Program.</p> <p>STATUS: Data is provided to AirNow.</p>
		<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</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</p>

UDEQ FY22 End of Year Report DIVISION OF AIR QUALITY

Division of Air Quality			
EPA Goal and Objective	EPA Measurement	UDEQ Goal	UDEQ Measure
		MPOs with their CAA and 40 CFR 93, Subpart A conformity determinations as per the provisions of Section XII of the Utah SIP.	<p>Association of Governments (MAG) as they develop conformity determinations for their respective Regional Transportation Plans (RTP) and Transportation Improvement Programs (TIP).</p> <p>STATUS: The Utah Clean Diesel Program continues to be a success and funding through DERA is applied for when available. County I/M programs are implemented and the SIP is updated as necessary to reflect any changes. Targeted airshed grants are implemented, tracked and reporting is kept up to date. UDAQ applies for all grant opportunities available. Consultation and collaboration is ongoing for the development of conformity determinations required for RTP and TIPs.</p>
		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: MACT standards are adopted through rulemaking. Staff participates in meetings and shares information on air toxics risk in Utah communities. Community outreach and analysis is completed when needed.</p>
		17. Protect public health and the environment through implementation of the Utah Lead-Based Paint Certification,	<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</p>

UDEQ FY22 End of Year Report DIVISION OF AIR QUALITY

Division of Air Quality			
EPA Goal and Objective	EPA Measurement	UDEQ Goal	UDEQ Measure
		Accreditation and Work Practices Program.	<p>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. (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: UDAQ follows the approved work plan for the Lead-Based Paint program which supports the current and prior EPA strategic plan goals of reducing blood lead levels in children.</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.

UDEQ FY22 End of Year Report DIVISION OF AIR QUALITY

Items Related to UDAQ Planning Branch Activities

1. EPA Region VIII will work with UDAQ as necessary and appropriate when reviewing SIP submittals and initial designation requests as the NAAQS are revised to clarify issues and communicate actions that may affect Utah.
2. EPA Region VIII will work with EPA HQ when appropriate to help elevate issues to the national level that are uniquely western issues.
3. EPA Region VIII will give timely attention to any intermediate work products that are developed in the SIP process so as to provide UDAQ its feedback during project development rather than at the end.
4. EPA will make every effort to determine completeness and to take final action on regulatory actions submitted by Utah in accordance with statutory time frames considering existing resources.
5. EPA Region VIII and UDAQ will work together to prioritize existing SIP submittals and on identifying upcoming SIP revisions. EPA Region VIII will keep UDAQ informed on the status of actions.
6. 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.
7. EPA Region VIII will collaborate with UDAQ to create a plan to attain the ozone standard in the Uinta Basin. UDAQ and EPA will coordinate data sharing, photochemical modeling, and control strategies in order to accomplish the shared goal in the multi-jurisdictional airshed.

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 FY22 End of Year Report DIVISION OF DRINKING WATER

Division of Drinking Water			
EPA Objective	EPA Regional Targets	UDEQ Goals	UDEQ Measure
<p>Strategic target SDW 2.1.1:</p> <p>90% percent of population served by community water systems that meets all applicable health-based drinking water standards.</p>	Regional Target = 90%	<p>To meet or exceed 90%</p> <p>UDEQ will maintain its data in the national database, SDWIS/FED. This includes timely data entry, quality assurance, and data validation.</p>	<p>Percent of population served by community water systems that meets all applicable health-based drinking water standards.</p> <p>Status: 95.5% On going Exceeded the EPA Target and UDEQ Goal</p>
<p>Strategic target SP1:</p> <p>85% percent of community water systems meet all applicable health-based standards, through approaches that include effective treatment and sources water protection.</p>	Regional Target = 85%	<p>To meet or exceed 85%</p> <p>UDEQ will maintain its data in the national database, SDWIS/FED. This includes timely data entry, quality assurance, and data validation.</p>	<p>Percent of community water systems meet all applicable health-based standards, through approaches that include effective treatment and sources water protection.</p> <p>Status: 96.3% On going Exceeded the EPA Target and UDEQ Goal</p>
<p>Strategic Target SDW-SP2:</p> <p>92% percent of “person month” during which community water systems provide drinking water that meets all applicable health-based drinking water standards of population served by CWS that meet all health-based standards.</p>	Regional Target = 92%	<p>To meet or exceed 92%</p> <p>UDEQ will maintain its data in the national database, SDWIS/FED. This includes timely data entry, quality assurance, and data validation.</p>	<p>Percent of “person month” during which community water systems provide drinking water that meets all applicable health-based drinking water standards of population served by CWS that meet all health-based standards.</p> <p>Status: 98.2% On going Exceeded the EPA Target and UDEQ Goal</p>
Sanitary Surveys	UDEQ, as a condition of primacy, are required to conduct Sanitary Surveys on Subpart H Systems (40 CFR 142.16(b) (3)) and to provide the EPA with an annual evaluation of its program to	UDEQ will continue to conduct sanitary surveys that address the eight elements and report the results based on the federal fiscal year.	<p>Sanitary Surveys conducted as required by Subpart H Systems (40 CFR 142.16(b) (3)) and to provide the EPA with an annual evaluation of its program to conduct these Sanitary Surveys (40 CFR 142.15.(c)(5)).</p> <p>Status: UDEQ and LHD</p>

UDEQ FY22 End of Year Report DIVISION OF DRINKING WATER

	conduct these Sanitary Surveys (40 CFR 142.15.(c)(5)).		completed 365 of the 372 surveys due in calendar year 2022. The 7 incomplete surveys were postponed until 2023 due to the system being closed during 2022 or completing an engineering project. The 100% completion rate exceeds EPA Regional Target and met the UDEQ Goal.
<p>Systems in non-compliance with health-based violations</p> <p>Y2018-2022 EPA Strategic Plan, Long-Term Performance Goal 1.2.1</p> <p>Reduce the number of community water systems (CWSs) out of compliance with health-based standards by 25% by the end of FY22.</p>	<p>1. To reduce the number of community water systems (CWSs) out of compliance with health-based violations by 25% by the end of FY22.</p> <p>2. To reduce CWS continuously in noncompliance due to health-based violations by 80% (baseline FY 2017 data).</p>	<p>1. To meet or exceed the target measure of 25% by the end of FY22.</p> <p>2. To meet or exceed the target measure of 80% by the end of FY22.</p> <p>UDEQ will work collaboratively with the EPA to accomplish these goals.</p>	<p>1. % of CWS out of compliance with health-based violations.</p> <p>Status: % of CWS out of compliance with health-based violations is 6.5% On going Met/exceeded the EPA Target and UDEQ Goal</p> <p>2. % of CWS continuously in noncompliance due to health-based violations.</p> <p>Work collaboratively with the EPA to accomplish these goals.</p> <p>Status: % of CWS continuously in noncompliance due to health-based violations is 0.2% On going Exceeded the EPA Target and UDEQ Goal</p> <p>Ongoing: UDEQ worked collaboratively with the EPA to accomplish these goals. Exceeded/met the EPA Target and UDEQ Goal</p>
Document to EPA the status of outstanding GWUDISW	Annually by November 15th, provide to the EPA a	By November 15th, UDEQ will provide to the EPA the	Submit a report to the EPA a description of any additional actions

UDEQ FY22 End of Year Report DIVISION OF DRINKING WATER

<p>determinations.</p>	<p>description of any additional actions and the time frames for completing assessments of groundwater under the direct influence of surface water, and the systems for which such assessments need to be completed. For systems on compliance schedules, provide the schedule from the enforcement document.</p> <p>If any system is not under a compliance schedule, provide a rationale and proposed action and time frame for securing compliance.</p>	<p>information requested on annual basis.</p>	<p>and the time frames for completing assessments of groundwater under the direct influence of surface water, and the systems for which such assessments need to be completed, and systems on compliance schedules with the schedule from the enforcement document by November 15, each year.</p> <p>Status: UDEQ submitted the UDI report to the EPA on November 10, 2022.</p>
<p>National Compliance Initiative</p>	<p>UDEQ will work collaboratively with EPA to accomplish the goals of the National Compliance Initiative: Reducing Noncompliance with Drinking Water Standards at Community Water Systems. UDEQ will provide access to UDEQ sanitary survey files, data, enforcement actions, and communication to enable a review of the significant deficiencies from identification to compliance.</p>	<p>UDEQ will work collaboratively with the EPA to accomplish the goals of the National Compliance Initiative: Reducing Noncompliance with Drinking Water Standards at Community Water Systems.</p>	<p>Grant EPA access to the sanitary survey files, data, enforcement actions, and communication to enable a review of the significant deficiencies from identification to compliance.</p> <p>Status: On going Met EPA Target and UDEQ Goal For example, UDEQ meets with EPA on a quarterly basis to discuss ETA and other issues.</p>

UDEQ FY22 End of Year Report DIVISION OF DRINKING WATER

<p>SDWA Oversight Enforcement</p>	<ol style="list-style-type: none"> 1. Annotate the quarterly Enforcement Targeting Tool (ETT) list created by the Enforcement Response Policy (ERP) by indicating UDEQ actions planned for each identified priority ETT system, the projected timeframe for such actions and other relevant information that helps the EPA evaluate candidates for federal enforcement. Return the annotated list to the EPA within 30 days of the ETT list being emailed to the division contact. 2. Address 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 the priority status. The date that the EPA makes the ETT list specifically available to UDEQ via email is day zero (0) of the six-month timeliness period. 3. Provide the EPA with access to state PWS files and data for EPA's oversight purposes at UDEQ's offices. Provide the EPA a copy of all final settlement agreements, both administrative and judicial, upon issuance or EPA 	<p>UDEQ agrees to the following enforcement oversight commitments</p>	<ol style="list-style-type: none"> 1. Submit the annotated quarterly Enforcement Targeting Tool (ETT) list by indicating UDEQ actions planned for each identified priority ETT system, the projected timeframe for such actions, and other relevant information within 30 days of the ETT list being emailed to the division contact. Status: On going Met EPA Target and UDEQ Goal 2. Address all priority ETT systems (through formal enforcement or appropriate return to compliance) within 6 months of their being identified as priorities before systems reach the EPA Priority Status. Status: On going Met EPA Target and UDEQ Goal 3. Grant the EPA with access to state PWS files and data for EPA's oversight purposes at UDEQ's offices and/or virtually. Provide the EPA a copy of all final settlement agreements, both administrative and judicial, upon issuance or EPA request. Provide copies of actions to EPA Region 8 in electronic format (unless the EPA requests a hard copy) and its supporting documentation (upon request).
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UDEQ FY22 End of Year Report DIVISION OF DRINKING WATER

	<p>request. Copies of actions will be provided to EPA Region 8 in electronic format unless the EPA requests a hard copy. Upon request, make supporting documentation available to the EPA.</p> <p>4. Upload all violations (and their associated actions), enforcement actions and applicable return-to-compliance codes into SDWIS the quarter following their occurrence. The division will ensure that all enforcement actions are linked to violations in SDWIS to avoid orphan actions identified in guidance.</p> <p>5. UDEQ will continue to update the program's and ENFD program escalation polices to address federal and state rule changes, as resources allow.</p>		<p>Status: On going Met EPA Target and UDEQ Goal</p> <p>4. Upload all violations (and their associated actions), enforcement actions and applicable return-to-compliance codes into SDWIS the quarter following their occurrence ensuring all enforcement actions are linked to violations in SDWIS to avoid orphan actions identified in guidance.</p> <p>Status: On going Met EPA Target and UDEQ Goal</p> <p>5. UDEQ will continue to update the program's and ENFD program escalation polices to address federal and state rule changes, as resources allow.</p> <p>Status: On going Met EPA Target and UDEQ Goal</p>
Enforcement Authority	Implement all primary Drinking Water Regulations for which UDEQ has been delegated primary enforcement authority.	UDEQ currently has primary enforcement authority for all existing rules. For any future regulations, UDEQ will submit draft and final primacy revisions or apply for extensions prior to applicable deadlines. UDEQ commits to implementing their regulations at least as stringently as the National Primary Drinking Water Regulation.	<p>Keep primary enforcement authority for all existing rules; submit any draft and/or final primacy revision or extensions prior to deadlines for future regulations; submit draft and final primacy revisions that are enforced at least as stringently as the National Primary Drinking Water Regulation or apply for extensions prior to applicable deadlines.</p> <p>Status: On going Met EPA targets and UDEQ goals</p>

UDEQ FY22 End of Year Report DIVISION OF DRINKING WATER

<p>During FY 22-23, UDEQ will partner with the EPA to implement UCMR5.</p>	<p>Complete duties as defined in the UCMR5 partnership agreement signed by May 4, 2021.</p>	<p>Complete duties as defined in the UCMR5 partnership agreement signed by May 4, 2021. UDEQ will complete UCMR5 duties as defined in the partnership agreement. This includes the opportunity to modify if/when the rule is promulgated this year.</p>	<p>Complete duties as defined in the UCMR5 partnership agreement signed in May 2021. Status: On going Met EPA targets and UDEQ goals</p>
<p>PFAS and emerging contaminants</p>	<p>UDEQ will partner with the EPA to implement emerging contaminants grant.</p>	<p>As resources allow and the grant is available, UDEQ will perform activities agreed upon in the approved workplan for this grant.</p>	<p>Perform activities agreed to in the approved workplan as resources allow and to the extent the grant is available. Status: UDEQ performed activities agreed in the approved work plan. For example, UDEQ has coordinated and completed an additional 75 PFAS samples across the state. Sample sites were identified based on the workplan and focused on sites with potential risk for PFAS contamination, surface water sources, and others as requested. UDEQ has also developed an online portal where the data can be accessed by the public.</p>
<p>“UDEQ commits to entering required data into regional and national data systems so that federally required data fields are timely, accurate, and completed pursuant to definitions, guidance, and policy.” UDEQ will submit data to federal SDWIS to support effective program implementation.</p>	<p>UDEQ is required to provide accurate and complete inventory, violations, and enforcement data to SDWIS. States may do this through the SDWIS State software developed by EPA to provide support for state implementation of the program or through submission of files through the EPA Exchange Network.</p>	<p>UDEQ will continue entering required data into regional and national data systems so that federally required data fields are timely, accurate, and complete pursuant to definitions, guidance, and policy and within database capabilities. For any requests from EPA for data not a part of the normal data uploads, EPA will supply the query necessary to pull the data.</p>	<p>Enter required data into regional and national data systems assuring that federally required data fields are timely, accurate, and complete pursuant to definitions, guidance, and policy and within database capabilities. Status: On going; Met EPA targets and UDEQ goals</p>

UDEQ FY22 End of Year Report DIVISION OF DRINKING WATER

Annual Capacity Development report	Submit Annual Capacity Development Program Report to EPA by September 30 of each year, as described in 142.16.	UDEQ will work to provide the content required of the capacity development program and meet the report submittal deadlines for Capacity Development Program.	Provide the content required of the capacity development program and submit Capacity Development Program Report to EPA by September 30 of each year. Status: UDEQ received an extension from the EPA and is actively working on drafting the report. UDEQ will submit the report by December 31, 2022.
Annual Operator Certification report	Submit annual operator certification report annually by July 31 st to allow time for a final determination to be determined by September 30 th .	UDEQ will work to provide the content required and meet the report submittal deadlines for operator certification.	Submit annual operator certification report annually by July 31 st . Status: UDEQ submitted annual operator certification report to the EPA on Jul 29, 2022.
Annual Review report	Work collaboratively with the EPA to complete an annual review report by April 1 st of each year, as described in 142.17.	UDEQ will work with EPA in the development of their annual review report	Complete an annual review report by April 1 st of each year, as described in 142.17 by working collaboratively with the EPA. Status: UDEQ worked collaboratively with the EPA and completed an annual review report within a deadline given by the EPA.

UDEQ FY22 End of Year Report

DIVISION OF WASTE MANAGEMENT AND RADIATION CONTROL

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.

Division of Waste Management and Radiation Control				
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's Corrective Action Section 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's Corrective Action Section strives to ensure all required RCRAInfo data elements are entered by the 20th of the month following the activity.</p>

**UDEQ FY22 End of Year Report
DIVISION OF WASTE MANAGEMENT AND RADIATION CONTROL**

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's Corrective Action Section strives to provide appropriate hazardous waste corrective action responses.</p>
			<p>d. Provide appropriate stabilization response as dictated by case-by-case specifics, regulatory/statutory requirements, permit conditions, or program priorities. Emphasis is on high priority facilities. Appropriate measures may include stabilization measures evaluation (CA225), stabilization imposed (CA600), stabilization construction completed (CA650).</p> <p>STATUS: The Division's Corrective Action Section strives to provide appropriate stabilization responses.</p>
			<p>e. In coordination with EPA Region 8, continue to evaluate annually and amend, as necessary, the facility-by-facility multi-year plan for corrective action activities.</p> <p>STATUS: The Division works with EPA Region 8 to evaluate and amend the facility-by-facility multi-year plan for corrective action on an annual basis.</p>
			<p>f. Incorporate, as appropriate, environmental justice information in the administration of the hazardous waste program.</p>

**UDEQ FY22 End of Year Report
DIVISION OF WASTE MANAGEMENT AND RADIATION CONTROL**

Division of Waste Management and Radiation Control			
EPA Strategic Goal and Objective	EPA Strategic Measurement	UDEQ Goal	UDEQ Measure
			<p>STATUS: Environmental justice is taken into account as a top priority for hazardous waste generator inspections.</p> <p>g. EPA has identified Financial Assurance through the National Program Management Guidance as a priority for FY2021 and 2022. Coordinate with the Region on financial assurance as appropriate. Should the Region or Headquarters identify a RCRA entity operating in several states with financial assurance compliance issues, EPA reserves the right to pursue compliance or enforcement activities with the identified operator in accordance with the Utah/EPA Enforcement Agreement.</p> <p>STATUS: Utah acknowledges EPA's right to pursue enforcement action regarding financial assurance through the National Program Management Guidance and will coordinate when necessary.</p>
GOAL 2: More Effective Partnerships.	Objective 2.1: Enhance Shared Accountability. Improve environmental protection through shared governance and enhanced collaboration with state,	LTPG 2.1.2 By September 30, 2022, increase the use of alternative shared governance approaches to address state, tribal, and local community reviews.	<p>Compliance Assurance – Increase the availability of training for generators of hazardous waste. Provide the regulated community with compliance assistance.</p> <p>a. Conduct generator trainings on-site, in a classroom, or online.</p> <p>STATUS: The Division successfully provided Hazardous Waste Generator Training May 17th-18th via Zoom. The training also included sections on Used Oil and wastewater treatment requirements. Additionally, hazardous waste and used oil education is performed during inspections, per site request, and during complaint investigations.</p>

**UDEQ FY22 End of Year Report
DIVISION OF WASTE MANAGEMENT AND RADIATION CONTROL**

Division of Waste Management and Radiation Control			
EPA Strategic Goal and Objective	EPA Strategic Measurement	UDEQ Goal	UDEQ Measure
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 2022.</p> <p>STATUS: The Hazardous Waste Section performed 35 SQG/VSQG inspections/CAV and 14 site visits and complaint investigations to provide regulatory education to generators.</p> <p>The Division website is also updated with new regulations and information, annual hazardous waste generator training session recordings, and additional resources such as information on e-cigarettes disposal for schools and retailers.</p> <p>The Division provides to all registered generators our annual newsletter which provides additional updates to our programs.</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

**UDEQ FY22 End of Year Report
DIVISION OF WASTE MANAGEMENT AND RADIATION CONTROL**

Division of Waste Management and Radiation Control			
EPA Strategic Goal and Objective	EPA Strategic Measurement	UDEQ Goal	UDEQ Measure
			<p>program. Coordination includes evaluation of desirable technical support targets for joint efforts and work sharing.</p> <p>iv. Maintain frequent and open communication on routine matters, changes in program capability, legislation, and resource levels, emergency situations and other key activities as described in the MOA. EPA and the Division will hold regular meetings or conduct conference calls, at least quarterly, to share information, identify and solve problems, and engage in short-term planning efforts.</p> <p>v. Jointly identify state training and technical assistance needs. EPA will make training and technical assistance available to the state and will work towards improving the capability to provide high quality assistance.</p> <p>STATUS: The Division is in the process of finalizing our QAPP to meet our EPA commitment.</p> <p>The Division works closely with other States and EPA by attending training courses, webinars and participating in EPA workgroups. The Division participates in monthly RIN calls; Western States Project training; and RCRA Writers, E-manifests, pharmaceutical and other workgroups and conferences. The Division also participates in ASTWSMO in partnership with EPA.</p> <p>The Division is coordinating with EPA for additional training needs, such as compliance sampling techniques and procedures.</p>

UDEQ FY22 End of Year Report
DIVISION OF WASTE MANAGEMENT AND RADIATION CONTROL

Division of Waste Management and Radiation Control				
EPA Strategic Goal and Objective	EPA Strategic Measurement	UDEQ Goal	UDEQ Measure	
<p>GOAL 3: Greater Certainty, Compliance, and Effectiveness.</p>	<p>Objective 3.4: Streamline and Modernize. Issue permits more quickly and modernize our permitting and reporting systems.</p>	<p>LTPG 3.4.1 By September 30, 2022, reach all permitting-related decisions within six months.</p>	<p>Complete TSDF, Closure, and Post-Closure Permitting actions within a reasonable timeframe</p>	<p>a. Maintain effective hazardous waste permitting and closure/post closure programs.</p> <p>STATUS: The Division has maintained an effective hazardous waste permitting program and has worked with EPA by sharing information.</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: The Division provides updates to RCRAInfo as required.</p>
				<p>c. Provide appropriate hazardous waste closure/post-closure and permit response as dictated by case-by-case specifics, regulatory/statutory requirements, permit conditions, and program priorities. Appropriate responses may include, but are not limited to; closure plan approvals (RCRAInfo data element CL360), closure verifications (CL380), final post-closure permit determinations/issuances (PC200), and final operating permit determinations (OP200). Permit modifications (PC240) are as equally important as the preceding activities because they generally reflect upgrading or updating permit conditions resulting in operational improvements for permitted TSDFs in managing hazardous waste.</p> <p>STATUS: The Division provides appropriate technical expertise/responses on the activities of permitted TSDFs.</p>
				<p>d. Ensure permit modifications are tracked.</p>

**UDEQ FY22 End of Year Report
DIVISION OF WASTE MANAGEMENT AND RADIATION CONTROL**

Division of Waste Management and Radiation Control			
EPA Strategic Goal and Objective	EPA Strategic Measurement	UDEQ Goal	UDEQ Measure
			<p>STATUS: Permit modifications are tracked.</p> <p>e. EPA has identified Financial Assurance through the National Program Management Guidance as a priority for FY21 and 22. Coordinate with the Region on financial assurance as appropriate. Should the Region or Headquarters identify a RCRA entity operating in several states with financial assurance compliance issues, EPA reserves the right to pursue compliance or enforcement activities with the identified operator in accordance with the Utah/EPA Enforcement Agreement.</p> <p>STATUS: Financial Assurance inspections/reviews are performed annually and updated in RCRAinfo.</p>
GOAL 3: Greater Certainty, Compliance, and Effectiveness.	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.	LTPG 3.1.1 By September 30, 2022, reduce the average time from violation identification to correction.	<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 2022 by September 30, 2021. 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, 2021. The Region will develop its FY2022 Inspection schedule and submit to the Division by October 30, 2021.</p> <p>STATUS: Completed.</p> <p>b. Complete targeted inspections by September 30, 2022.</p> <p>STATUS: All LQG and TSDF inspections were completed.</p> <p>c. Participate in joint state and federal initiatives.</p> <p>STATUS: The Division is participating with EPA in new initiatives. These are discussed in our quarterly meetings.</p>

**UDEQ FY22 End of Year Report
DIVISION OF WASTE MANAGEMENT AND RADIATION CONTROL**

Division of Waste Management and Radiation Control			
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).</p> <p>STATUS: Data is entered by the 20th of the month and updated as necessary.</p>
			<p>e. Consider economic factors in determining penalties for violations.</p> <p>i. Use maximum flexibility when negotiating consent agreements to include consideration of financial viability of regulated party.</p> <p>STATUS: Economic benefit is evaluated on all violations and the Division uses flexibility and other options such as deferment of payments with the regulated community.</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.</p> <p>STATUS: Division staff provide information on the OSR for requested permitted facilities.</p>
			<p>g. Utah will inspect at least 50% of the active treatment, storage and disposal facilities during FY 2022.</p> <p>STATUS: Completed.</p>

**UDEQ FY22 End of Year Report
DIVISION OF WASTE MANAGEMENT AND RADIATION CONTROL**

Division of Waste Management and Radiation Control				
EPA Strategic Goal and Objective		EPA Strategic Measurement	UDEQ Goal	UDEQ Measure
GOAL 3: Greater Certainty, Compliance, and Effectiveness.	Objective 3.2: Create Consistency and Certainty. Outline exactly what is expected of the regulated community to ensure good stewardship and positive environmental outcomes.	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 FY2022.</p> <p>STATUS: The Division has adopted all required rules up through Checklist 242.</p>

UDEQ FY22 End of Year Report
DIVISION OF WASTE MANAGEMENT AND RADIATION CONTROL

FY 2022 Hazardous Waste Program Commitments for Utah		
Event	FY 2022	
	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	0
Permit Activities Totals	0	0
Permit Activities for GPRA Universe Facilities (Unit Level)		
Controls in Place for LDUs on Closure Track	0	0
Controls in Place for LDUs on Operating Track	0	0
Controls in Place for TSUs on Operating Track	0	0
Controls in Place for CUs on Operating Track	0	0
Corrective Action Activities at GPRA Universe Facilities (Facility Level)		
RCRA Facility Assessments (CA050)	0	0
Overall Facility NCAPS Ranking (CA075)	0	0
Facility Stabilization Assessment (CA225)	0	0
Facility Remedy Selection (CA400)	0	0
Facility Construction Completion (CA550) (GPRA measure)	0	0
Human Health Exposures Controlled Determination (CA725) (GPRA measure)	0	0
Groundwater Migration Controlled Determination (CA750) (GPRA measure)	0	1
Facility level RAU (CA800)(GPRA measure)	0	
CA Performance Standards Attained/CA Process Terminated (CA900/CA999) (GPRA Measure)	0	3

UDEQ FY22 End of Year Report

DIVISION OF WASTE MANAGEMENT AND RADIATION CONTROL

Corrective Action Activities at GPRA Universe Facilities (Area Level)		
RFI Imposed (CA100) (area level)	0	0
RFI Approved (CA200) (area level)	4	14
Remedy Selection (CA400) (area level)	6	11
Construction Completion (CA550) (area level)	6	9
Corrections completed (CA900CR) (area level)	0	0
Corrective Action Completed (CA999) (area level)	6	9
*Permit Renewals Due this Strategic Period (FY18-FY22)		

Permit Renewals

Clean Harbors Aragonite, Expires September 28, 2022 – **Not Completed**
 Clean Harbors Grassy Mountain, Expires September 28, 2022 – **Not Completed**
 EnergySolutions Expired April 4, 2014: Final changes under review, public comment and final issuance. – **Not Completed**

Corrective Action Activities at GPRA Universe Facilities

Groundwater Migration Controlled Determination (CA750) achieved for the Utah Test and Training Range on September 19, 2022.

RCRA Ready for Anticipated Use (RAU) (CA800) for the EnergySolutions Clive achieved on September 14, 2022.

RCRA Ready for Anticipated Use (RAU) (CA800) for the Utah Test and Training Range achieved on September 19, 2022.

RCRA Ready for Anticipated Use (RAU) (CA800) for the Clean Harbors Clive achieved on September 20, 2022.

Corrective Action Activities (Area Level)

RFI Work Plan Approval (CA150) for SWMU 22 at TEADS (SWMU had achieved NFA status but subsequent developments with hexavalent chromium required revisiting a portion of the SWMU). *Funding issues have pushed this commitment from FY21 to FY22 and now, FY23.*

RFI Work Plan Approvals (CA150) for SWMUs BW-10, SS-4 and SS-5 at ATK Bacchus. *Plan approved for Group 7 SWMU BW-10 on March 4, 2022. Plan approved for Group 8 SWMUs SS-4 and SS-5 on December 23, 2021.*

RFI Report Approval (CA200) for SWMUs 629, 633 and 636 at ATK Promontory. *Report approved for SWMUs 629, 633 and 636 at ATK Promontory on September 30, 2021.*

RFI Report Approval (CA200) for Group 7 SWMU BP-2 at ATK Bacchus. FY21 commitment carried over to FY22. *Work Plan modification approved for Group 7 SWMU BP-2 on May 3, 2022. Report approval not achieved.*

RFI Report Approval (CA200) for Group 6 SWMUs S-19, S-25, S-28, S-30, S-31, and S-39 at ATK Bacchus. FY21 commitment carried over to FY22. *RFI Report for S-31 approved 5/2/22. RFI Report for S-30 approved 8/23/22. RFI Report for S-25 approved 8/30/22. RFI Report for S-28 approved 9/1/22. RFI Report for S-35 approved 9/14/22. RFI Report for S-39 approved 9/15/22.*

RFI Report Approval (CA200) for Group 9 SWMUs SI-1 and SI-2 at ATK Bacchus. FY21 commitment carried over to FY22. *RFI Report for SI-1 approved 8/30/22.*

RFI Report Approval (CA200) for SWMUs 208 and 311 at ATK Promontory. FY21 commitment carried over to FY22. *Approved for SWMU 311 on July 19, 2022.*

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DIVISION OF WASTE MANAGEMENT AND RADIATION CONTROL

RFI Report Approval (CA200) for SWMU 1 at Dyno Nobel - Site B. *Not accomplished.*

Corrective Measures Study Work Plan Approved (CA300) SWMU 40 (formerly AOC 5) at TEADS. *Funding issues have pushed this commitment from FY21 to FY22 and now, FY23.*

Remedy Selection (CA400) for SWMUs 208, 311, 629, 633 and 636 at ATK Promontory. *Approved for SWMUs 629, 633 and 636 at ATK Promontory on September 30, 2021.*

Remedy Selection (CA400) for SWMU 1 at Dyno Nobel - Site B. *Not accomplished.*

CMI Construction Complete (CA550) for SWMUs 208, 311, 629, 633 and 636 at ATK Promontory. *Approved for SWMUs 629, 633 and 636 at ATK Promontory on September 30, 2021.*

CMI Construction Complete (CA550) for SWMU 1 at Dyno Nobel - Site B. *Not accomplished.*

Corrective Action Completed (CA999) for SWMUs 208, 311, 629, 633 and 636 at ATK Promontory. *Approved for SWMUs 629, 633 and 636 at ATK Promontory on September 30, 2021.*

Corrective Action Completed (CA999) for SWMU 1 at Dyno Nobel - Site B. *Not accomplished.*

Unplanned Accomplishments (Area Level)

RFI Work Plan Approval (CA150) for Group 9 SWMUs SL-2 and SL-3 at ATK Bacchus. *RFI Work Plan approved for Group 9 SWMUs SL-2 and SL-3 on May 3, 2022.*

RFI Report Approval (CA200) for SWMUs 606, 610 and 619 at ATK Promontory. *Report approved for SWMUs 606, 610 and 619 at ATK Promontory on October 7, 2021.*

Remedy Selection (CA400) for SWMUs S-30, S-31 and S-35 at ATK Bacchus. *S-30 approved 8/23/22, S-31 approved 5/2/22 and S-35 approved 9/14/22.*

Remedy Selection (CA400) for SWMUs 606, 610 and 619 at ATK Promontory. *Approved for SWMUs 606, 610 and 619 at ATK Promontory on October 7, 2021.*

Corrective Measures Study Report/Remedy Selection Approved (CA400) SWMUs 1 and 25 at TEADS. *Approved for SWMUs 1 and 25 at TEADS on February 9, 2022.*

CMI Construction Complete (CA550) for SWMUs S-30, S-31 and S-35 at ATK Bacchus. *S-30 approved 8/23/22, S-31 approved 5/2/22 and S-35 approved 9/14/22.*

CMI Construction Complete (CA550) for SWMUs 606, 610 and 619 at ATK Promontory. *Report approved for SWMUs 606, 610 and 619 at ATK Promontory on October 7, 2021.*

Corrective Action Completed (CA999) for SWMUs S-30, S-31 and S-35 at ATK Bacchus. *NFA for S-30 approved 8/23/22, S-31 approved 5/2/22 and S-35 approved 9/14/22.*

Corrective Action Completed (CA999) for 606, 610 and 619 SWMUs at ATK Promontory. *Approved for SWMUs 606, 610 and 619 at ATK Promontory on October 7, 2021.*

Division of Water Quality		
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> <table border="1" data-bbox="821 1096 1913 1393"> <tr> <td data-bbox="821 1096 1318 1393">1. Individual Permits</td> <td data-bbox="1318 1096 1913 1393"> DWQ will report annually the number and percent of facilities that have a discharge requiring an individual permit that: <ol style="list-style-type: none"> a. are covered by a current UPDES permit b. have expired individual permits c. have applied for, but have not yet been issued an individual permit d. have individual permits under administrative or judicial appeal </td> </tr> </table>	1. Individual Permits
1. Individual Permits	DWQ will report annually the number and percent of facilities that have a discharge requiring an individual permit that: <ol style="list-style-type: none"> a. are covered by a current UPDES permit b. have expired individual permits c. have applied for, but have not yet been issued an individual permit d. have individual permits under administrative or judicial appeal 	

Division of Water Quality	
EPA Goals and Objectives	DWQ Goals and Measures
	<p>RESULTS/OUTCOMES:</p> <ul style="list-style-type: none"> a. 125 Active permits b. 3 expired permits c. 2 unissued permits with an application pending. d. No permits currently under appeal
2. Permits Issuance	<p>a. 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 the State will expeditiously reduce the backlog to 10% upon request from EPA.</p> <p>RESULTS/OUTCOMES: Ongoing, in compliance with objectives and no priority permits.</p>
3. Whole Effluent Toxicity (WET)	<p>a. Assure proper implementation of WET requirements in UPDES permits.</p> <p>RESULTS/OUTCOMES: Program fully implemented and ongoing. Whole Effluent Toxicity reviewed per DWQ 2018 WET Guidance Document for every UPDES individual permit issued/renewed. Program is enforced per DWQ's 2018 WET Guidance Document.</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>RESULTS/OUTCOMES: Completed and Implementation ongoing.</p>

Division of Water Quality

EPA Goals and Objectives	DWQ Goals and Measures	
	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, including sending EPA draft permits prior to public notice, 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>RESULTS/OUTCOMES: Completed and Implementation ongoing.</p>
	6. Pretreatment	<p>Provide the following to EPA in the End-of-Year Report due April 28, 2022:</p> <p>a. Number of approved pretreatment programs.</p> <p>b. Number of programs that have implemented the EPA Pretreatment Streamlining Regulations.</p> <p>c. Number of categorical industrial users (CIUs) in non-approved pretreatment programs.</p> <p>d. The following for non-approved pretreatment program areas:</p> <ul style="list-style-type: none"> i. Number of significant industrial users (SIUs) ii. Number of SIUs, with the number of SIUs which are categorical industrial users (CIUs), permitted by the State annually.

Division of Water Quality

EPA Goals and Objectives	DWQ Goals and Measures	
		<p>iii. Community and number of communities where the following activities occurred, including the activity that occurred in the community: outreach activities, pretreatment oversight, inspections of industrial users and sampling of SIUs that are permitted by the State.</p> <p>iv. Number of pretreatment programs that are being developed in non-approved program areas.</p> <p>e. Identify in ICIS the following for Pretreatment Program statistics:</p> <ul style="list-style-type: none"> i. The number of SIUs that discharge to POTWs with approved Pretreatment Programs; ii. The number of 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 CIUs that have adequate control mechanisms implementing applicable pretreatment standards and requirements in approved pretreatment programs. <p>RESULTS/OUTCOMES: The following information was sent via email on 25 April 2022 to EPA per the PPA. a. Annually provide EPA with the number of approved pretreatment programs.</p> <p>Currently, there are 19 approved pretreatment programs in Utah.</p>

Division of Water Quality	
EPA Goals and Objectives	DWQ Goals and Measures
	<p>b. Annually provide EPA with the number of programs that have implemented the EPA Pretreatment Streamlining Regulations.</p> <p>Fifteen Approved Pretreatment Programs (APPs) have legal authorities that include the streamlining requirements, which have been approved by the Division of Water Quality (DWQ). Two APPs are in the process of receiving approval from their governing bodies. Two APPs have submitted their legal authorities for pre-approval. DWQ is hopeful that by the end of 2022, all APPs will have updated their legal authority to include the requirements of 40 CFR 403.</p> <p>c. Number of categorical industrial users (CIUs) in non-approved pretreatment programs annually.</p> <p>There are 33 CIUs that DWQ has investigated, of which ten are discharging. The DWQ has permitted three, and seven should be permitted this year.</p> <p>d. Annually provide EPA the following for non-approved pretreatment program areas:</p> <ul style="list-style-type: none"> i. Provide the number of significant industrial users (SIUs) annually. ii. Provide the number of SIUs, with the number of SIUs which are categorical industrial users (CIUs) permitted by the State annually. <p>Response to i. and ii. Currently, DWQ has</p>

Division of Water Quality

EPA Goals and Objectives	DWQ Goals and Measures	
		<p>permitted six SIU, of which three are CIUs. Three food processors are inspected by DWQ, which are not permitted, although one should be permitted this year.</p> <p>iii. Provide the community and number of communities where the following activities occurred, including the activity that occurred in the community: outreach activities, pretreatment oversight, inspections of industrial users and sampling of SIUs that DWQ permits.</p> <p>Discussions have occurred with Fillmore and DWQ regarding a mushroom facility with a flow greater than 5% of the POTW total flow.</p> <p>Beaver has a food processor, jail and two CIUs. One CIU has applied and will be issued a permit this year. The other CIU has been required to submit an application. The jail installed an auger to resolve issues in the collection system. Inspections were conducted with DWQ and Beaver personnel at the food processor and the CIUs.</p> <p>Tooele has a CIU that applied and will be issued a permit this year. DWQ has permitted Airgas an SIU, which discharges to the Tooele POTW. Airgas was inspected and sampled in 2021.</p> <p>DWQ provided outreach to Salina</p>

Division of Water Quality

EPA Goals and Objectives	DWQ Goals and Measures	
		<p>regarding developing a FOG (fats, oil and grease) program.</p> <p>DWQ provided outreach to Ash Creek regarding implementing a pretreatment program for a non-discharging POTW. At this time, Ash Creek will not be implementing an APP. Although Ash Creek is willing to assist DWQ with ensuring IUs are adequately controlled per the pretreatment requirements.</p> <p>Ash Creek sends staff to the Region 8 Pretreatment Association Conference to ensure they are knowledgeable regarding the pretreatment requirements. This has occurred for more than 15 years.</p> <p>Ash Creek has many industrial users (IUs) discharging to the POTW. One of the IUs includes a food processor, Litehouse, which Ash Creek is adequately controlling at this time. Ash Creek also has many IUs that are zero-discharging, either IUs or CIUs.</p> <p>Currently, one CIU is completing an application to discharge to the POTW. DWQ will permit this facility.</p> <p>DWQ provided outreach to Richfield regarding pretreatment and the Utah Sewer Management Program. Richfield Operators and DWQ inspected known zero discharging CIUs and the UDOT</p>

Division of Water Quality

EPA Goals and Objectives	DWQ Goals and Measures	
		<p>station. The UDOT station was inspected since it caused Interference at the POTW a few years ago.</p> <p>The Corinne Operator and DWQ inspected new and known IUs. DWQ has permitted Tarter Gate, a metal finishing CIU that discharges to the Corinne POTW. Tarter Gate was inspected and sampled by DWQ in 2021.</p> <p>DWQ provided outreach to Minersville regarding loading from food processors.</p> <p>Discussions with Hyrum regarding updates to the treatment process at West Point Dairy. DWQ will review the plans to ensure the completion of the project at West Point Dairy and provide approval to discharge from the new process. West Point Dairy is a food processor that is currently being adequately controlled by Hyrum and is inspected by DWQ as needed.</p> <p>DWQ provided outreach to Eagle Mountain regarding the pretreatment program. Tyson Foods, a food processor, has been permitted by DWQ as an SIU.</p> <p>DWQ will issue a permit to Modere this year. Modere is an SIU discharging to the Salem POTW.</p> <p>A discussion with Ashley Valley occurred regarding pretreatment and the UPDES</p>

Division of Water Quality

EPA Goals and Objectives	DWQ Goals and Measures	
		<p>Permit Application. Additional outreach is needed in this area regarding the pretreatment program.</p> <p>Discussions occurred with Nephi regarding loading and a potential food processor discharging to the POTW.</p> <p>DWQ provided outreach to Hildale regarding the USMP and pretreatment. DWQ and Hildale also inspected IUs in the service area.</p> <p>iv. Provide the number of pretreatment programs that are being developed in non-approved program areas.</p> <p>Three in the next five years, Magna, Tooele and Salem will be developing an APP due to CIUs in their areas. Salem may not be required if the SIU moves as has been indicated by the SIU.</p> <p>e. Identify in following for approved Pretreatment Programs statistics:</p> <p>i. The number of significant industrial users (SIUs) that discharge to POTWs with approved Pretreatment Programs;</p> <p>Based on the 2021 Annual Pretreatment Reports, APPs have identified 315 SIUs.</p> <p>ii. The number of significant industrial users (SIUs) that discharge to POTWs with approved Pretreatment Programs that have adequate control mechanisms</p>

Division of Water Quality

EPA Goals and Objectives	DWQ Goals and Measures	
		<p>implementing applicable pretreatment standards and requirements (95% coverage is the Regional commitment);</p> <p>Based on the 2021 Annual Pretreatment Reports, 309 of the 315 SIUs have been permitted by APPs, 98%. APPs did not permit six SIUs. The following is information regarding the SIUs that were not permitted:</p> <p>Central Valley WRF has one SIU which does not have a permit yet. The IU has submitted a permit application and is working on setting up a zinc plating line. A permit will be issued before process wastewater is allowed into the POTW.</p> <p>Becks Sanitation Inc. is a CIU, which Salt Lake City permitted. Becks has a long-term pattern of permit noncompliance. Therefore, due to the continued noncompliance, including parameter violations, slug loads that caused interference to the POTW, failure to meet compliance schedule milestone dates, and an overall lack of improvement, their permit was terminated on 10/21/2021. DWQ and Salt Lake County were notified of the action via email on 10/21/2021. If the permittee cannot come back into compliance, a zero-discharge permit will be issued. At this time, process</p>

Division of Water Quality	
EPA Goals and Objectives	DWQ Goals and Measures
	<p>wastewater is being hauled offsite.</p> <p>In Spanish Fork, Nature's Sunshine Products, Wholistic Botanical, Aspen Co-Pak and Western Botanicals all have permits that are being drafted.</p> <p>iii. The number of categorical industrial users (CIUs) that have adequate control mechanisms implementing applicable pretreatment standards and requirements in approved pretreatment programs.</p> <p>Based on the 2021 Annual Pretreatment Reports, 188 CIUs have been permitted by APPs. The following information was sent via email on 25 April 2022 to EPA per the PPA.</p>
	<p>7. Sewage Sludge (Biosolids)</p> <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 FY2022 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 biosolids program. Also include a list of facilities that beneficially reuse biosolids, methods of reuse and the tons reused. <p>RESULTS/OUTCOMES: 100% of individual UPDES permits for mechanical wastewater treatment plants include biosolids</p>

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	<p>permit requirements. All UPDES Discharge permits contain biosolids language of some form.</p> <p>48 Biosolids Permits.</p> <p>Working to clear legacy scheduled reports requirements from ICIS database after switching to the EPA NeTBiosolids Application for submitting annual reports in 2021.</p> <p>All Biosolids Permits Reissued along with UPDES Discharge Permit, 1 New Biosolids permits issued</p> <p>The following information satisfies the requirement in part 7.e. of the EOY report to EPA for the preceding calendar year containing a summary of DWQs actions under their biosolids program.</p> <p>Approved no new Land App of Lagoon Biosolids Continued to work with Ash Creek Lagoons</p> <p>Responded to requests for information on biosolids project; South Valley WRF, Lark Monofill, continuing</p> <p>Twelve biosolids inspections; Beryl Junction, Cedar City, Tooele City, Price River WID, Moab, Logan City, Ashley Valley, Spanish Fork, Nielson Construction Landfill, Springville, Payson City, Richmond</p> <p>Biosolids Produced/Disposed of Bulk Biosolids (Land Application) (dmt); 19,775 <ul style="list-style-type: none"> a. Agricultural Land (dmt); 15,911 b. Derived Material (dmt); 3,864 SURFACE DISPOSAL (dmt); 0 </p>

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	<p>LANDFILL (dmt); 22,019 Other Disposal (dmt); 9,750 Stored (dmt); 2,049</p>
8. Concentrated Animal Feeding Operations (CAFOs) (ongoing)	<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 FY22. Provide the inventory to the EPA upon request.</p> <p>c. Continue to implement the EPA 2012 CAFO rules in Utah within FY 2022.</p> <p>d. After rule revision and issuance of the next CAFO permit, Nutrient Management Plans for permitted CAFOs once approved, shall be tracked in ICIS.</p> <p>RESULTS/OUTCOMES: Completed and Implementation ongoing.</p>

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EPA Goals and Objectives	DWQ Goals and Measures	
	<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>RESULTS/OUTCOMES: DWQ has continued to implement the USMP General Permit. This has been completed by providing outreach during conferences and when questions arise from permittees due to sanitary sewer overflows.</p> <p>The general permit will be renewed soon. Also, NOIs are being submitted by permittees per the permit requirements.</p> <p>Permittees are required to submit information on all SSOs. Reports within 5-days are required to be submitted for Class I SSOs. All SSOs are required to be reported on the annual report submitted yearly by permittees.</p> <p>An evaluation of compliance occurs based on information in the 5-day report regarding Class I SSOs and gathered by staff. These evaluations determine the need for compliance. Compliance taken by DWQ in FY 22, included no action by DWQ, warning letters or the issuance of NOVs. If the response to the permittee was either a warning or no action letter, the SSO was either an isolated event, cleaned up quickly and did not reach a water of the State, or due to a wet weather event. Compliance history is also considered to determine the enforcement action.</p>

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	10. Permit Quality Review (PQR) Essential Action Items”	<p>Within 45 days of receipt of a final PQR report, so long as a draft PQR Report with findings is shared ahead of time or 90 days if not, the State will provide a table of specific actions the State will take to address each Essential Action Item and a date (not to exceed two years from the final PQR report date unless agreed to by EPA) by which the action is anticipated to be completed. The State may be provided additional time to provide this Essential Action Item addressing action list. The State will then complete the addressing action items by these dates and provide supporting documentation to EPA (e.g., an email with a description of the addressing action and when it was completed).”</p> <p>RESULTS/OUTCOMES: Completed and ongoing with EPA.</p>
Objective 3.4- Streamline and Modernize: Issue permits more quickly and modernize our permitting and reporting systems.	UPDES ICIS Data	
	1. ICIS Data Management	<p>Ensure maintenance of information management systems sufficient to plan, track, assess, and make adjustments to program activities.</p> <ol style="list-style-type: none"> a. Properly enter data into the ICIS data system such that the federally required data fields are current. 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. c. Provide to the maximum extent practicable the data elements, in accordance with 40 CFR Part 127, Appendix A, Table 2. d. ICIS data is entered accurately which includes permitting, compliance, and enforcement data.

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		<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>RESULTS/OUTCOMES: Enforcement data has been historically entered into ICIS by the ICIS Coordinator; DWQ is transitioning this role to Compliance & Enforcement Section staff.</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>	UPDES Compliance Evaluations & Inspections	
	1. Implement the Clean Water Act Action Plan	<p>a. DWQ and EPA will work together to implement the Clean Water Act Action Plan to identify water quality issues of greatest concern for the State, and develop collaborative annual work plans to leverage both DWQ and EPA resources to address these issues. This will be accomplished through the Annual State/EPA UPDES Compliance Inspection Plan as approved for each fiscal year.</p> <p>RESULTS/OUTCOMES: Completed and ongoing with EPA.</p>
	2. Annual State / EPA UPDES Compliance Inspection Plan	<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</p>

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	<p>EPA NPDES Compliance and Monitoring Strategy - July 21, 2014.</p> <ul style="list-style-type: none"> 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. 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: <ul style="list-style-type: none"> i. The overall approach proposed, including the rationale for any deviations and tradeoffs; ii. A description of the affected regulated universe(s); and An explanation of how DWQ has determined that the resulting reduced/modified attention at certain facilities will not have negative public health or environmental impacts. In addition, the Inspection Plan should include the details always expected in a CMS plan (e.g., universe of facilities subject to each CMS metric and number of compliance monitoring activities planned for the year). d. DWQ will submit a draft Inspection Plan for FY2022 to EPA by August 1, 2021. DWQ will review and submit the final Inspection Plan to EPA by September 15, 2021 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, 2021. e. EPA may determine the number of inspections conducted at end of the federal fiscal year (September 30, 2022) by DWQ in

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		<p>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, 2022, but which do not appear in ICIS by November 10, 2022, may 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 FY2022. Additional inspections EPA Region 8 may conduct are included in the agreed to the Inspection Plan. This includes inspections within EPA national and regional enforcement initiatives.</p> <p>g. Region 8 will ask DWQ to conduct single and/or multimedia inspections at federal facility NPDES majors with recurrent effluent violations. Region 8 will conduct these inspections if DWQ does not plan to conduct the inspections. Region 8 will ask authorized states to work with EPA to target federal facilities for multimedia inspections. DWQ will be asked to lead the NPDES portion of a multimedia inspection at the selected federal facility. If DWQ does not want to conduct the inspection, EPA will conduct the inspection in lieu of the State.</p> <p>h. During FY2022, EPA Region 8 may perform inspections at any Federal Facility construction sites that have been awarded contract dollars for site construction, in cooperation with DWQ inspectors.</p>

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	<p>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.</p> <p>RESULTS/OUTCOMES: Completed and ongoing with EPA. In FFY22 the following number of UPDES Inspections were completed, in accordance with the Inspection Plan and EPA approvals: Major Industrial CEI: 6 Minor Industrial CEI: 1 Major Municipal CEI: 15 Minor Municipal CEI: 7 Minor Municipal RI: 7 Minor Industrial Inspections: 20 Total: 56</p> <p>DWQ meets with EPA quarterly to review SNC-triggered facilities and discuss DWQ's planned actions to resolve.</p>
	<p>3. Storm Water</p> <p>a. Continue implementation of MS4 permits which will ensure adequate sediment control inspections at local construction sites. This</p>

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	<p>should increase the number of overall storm water inspections performed in the state.</p> <p>b. Encourage DWQ staff, District Engineers and municipal and county staff to assist with inspections as allowed by time and resource constraints.</p> <p>RESULTS/OUTCOMES: 6 MS4 Audits and 293 Construction site stormwater inspections were conducted during FFY22 by DWQ staff and DEQ District Engineers. MS4 permittees conduct construction inspections per the requirements of their MS4 permit.</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 Enforcement</p>
	<p>1. Quarterly Meetings</p> <p>a. . EPA and DWQ enforcement programs will conduct quarterly meetings to discuss, at a minimum, a review of up to 10 DWQ facilities in Significant Non-Compliance (SNC) (alternatively, a review of facilities in the NPDES Noncompliance Report [NNCR], once the NNCR becomes available), the status of pending SRF recommendations, any DWQ enforcement actions or concerns DWQ would like to discuss with EPA, and any recent or planned EPA compliance evaluations or enforcement actions at facilities where DWQ is authorized to implement the NPDES program.</p> <p>RESULTS/OUTCOMES: DWQ and EPA quarterly meetings occurred on December 15th, March 16th, June 15th and October 3rd during FFY22; EPA provided list of SNC facilities and DWQ provided response with planned resolutions. DWQ provided EPA with updates on enforcement challenges such as the Citation Oil & Gas crude oil spill in Escalante, UT.</p>

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	2. DWQ Enforcement	<ul style="list-style-type: none"> a. EPA will identify and provide copies, if possible, of any policy or guidance documents used when evaluating the appropriateness of DWQ's enforcement actions. DWQ agrees to evaluate all violations and determine an appropriate response and take that action. b. DWQ will take timely and appropriate enforcement against facilities in Significant Non-compliance. c. DWQ will incorporate approved compliance schedules and deadlines into enforcement actions such that these schedules and deadlines are enforceable under the NOV/Order. d. Utah may submit an updated draft Enforcement Management System. EPA Region 8 will provide timely comments within 45 days of any submittal. e. DWQ will submit to EPA appropriate enforcement documents (NOVs/Orders, settlement agreements, etc.) upon request. f. 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

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		<p>documents and penalty calculations as part of the EOY Review.</p> <p>RESULTS/OUTCOMES:</p> <ul style="list-style-type: none"> a. DWQ's Compliance & Enforcement Section (C&E) completes enforcement evaluations for all violations across UPDES programs. b. SNC status is a primary consideration during C&E enforcement evaluations. c. Enforcement actions issued by DWQ include compliance orders for corrective actions that lead to compliance. d. Updated enforcement procedures have been implemented and updates to EMS are ongoing. e. All DWQ enforcement document are readily available. f. Enforcement Summary was requested by EPA on April 15, 2022 and summary was delivered on May 11, 2022.
	3. Whole Effluent Toxicity (WET)	<p>Assure proper and consistent enforcement of WET requirements in UPDES permits.</p> <ul style="list-style-type: none"> 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. b. DWQ will submit as part of their FY2022 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 FY2022, and a list of any formal enforcement actions which included WET violations.

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	<p>RESULTS/OUTCOMES:</p> <ul style="list-style-type: none"> a. UPDES permit and WET limits are enforced per DWQ's 2018 WET Guidance Document. b. Completed and Implementation ongoing. 	
<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>4. EPA Enforcement</p> <ul style="list-style-type: none"> a. DWQ understands that EPA Region 8 will continue to participate in and to initiate regional and national enforcement cases. In cooperation with DWQ, EPA Region 8 may perform inspections in regional and national priority areas according to national guidance. EPA may conduct inspections and issue enforcement actions as appropriate and will promptly advise, consult with, and coordinate with DWQ prior to such activity. b. Region 8 agrees to coordinate with and appropriately notify DWQ when it conducts any inspections and investigations. <p>RESULTS/OUTCOMES: Implemented and ongoing. DWQ was notified of a potential EPA MS4 audit (postponed until March 2023).</p>	
	<p>5. 404 Enforcement Actions</p> <ul style="list-style-type: none"> 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>RESULTS/OUTCOMES: DWQ notifies EPA of potential 404 non-compliance events. In February 2022, DWQ notified EPA of Bonneville Builders construction project in Springville Utah (EIR #15441).</p>	
	TMDL Watershed	
	<p>1. Accomplish an effective program for completion and implementation of</p>	<ul style="list-style-type: none"> a. Identify the extent of priority areas that are addressed by EPA-approved TMDLs or

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	<p>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 FY21 TMDLs and TMDL alternatives.</p>	<p>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 2022 is submission of the Provo River-4 (Spring Creek) TMDL for <i>E. coli</i> and the Jordan River watershed wide 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>RESULTS/OUTCOMES: The Total Maximum Daily Load for Escherichia coli (<i>E. coli</i>) in the Spring Creek (Heber) Assessment Unit was approved by EPA on January 12, 2022. DWQ will finalize state rulemaking on December 14, 2022 for the Jordan River Watershed <i>E.coli</i> TMDL and turn it into EPA for approval soon afterwards. Both TMDLs were identified in Utah's Vision Prioritization Strategy.</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;</p> <p>b. Update as necessary a list of priority waters scheduled for likely TMDL development or alternative or approaches over the 2016 – 2022 period;</p> <p>c. Update as necessary a list of priority waters awaiting management to protect their current condition from degradation during 2016 – 2022 (optional); and</p>

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	<p>d. The strategic rationale of the State in setting these priorities.</p> <p>RESULTS/OUTCOMES: DWQ used the open season period to refine the 2013-2022 prioritization list and met nearly all the list commitments. DWQ also entered the bridge metric priorities for 2022-2024 into ATTAINS.</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>RESULTS/OUTCOMES: Completed and documented in Utah's Nonpoint Source Pollution Abatement Program's 2021 Annual Report</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>RESULTS/OUTCOMES: Completed</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>RESULTS/OUTCOMES: Completed</p>
	<p>6. Continue to implement the Nonpoint Source Program based on strong State and local institutional capabilities using the Watershed Approach in support of TMDL development.</p> <p>a. Conduct a comprehensive NPS program review preceding the update of the NPS Management Plan every five years beginning 2018.</p> <p>b. Update GRTS annually by entering annual progress report information according to December 31st deadlines.</p> <p>c. Submit NPS Annual Report by January 31 of each year.</p> <p>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</p>

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	<p>Commission.</p> <ul style="list-style-type: none"> 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-2022 is 1 watershed. h. Report the number of priority NPS watershed areas where USDA EQIP funds are used to implement conservation projects. Report allocation of EQIP funds to 303(d) waters and approved TMDL watersheds. i. Report the number of priority watershed coordinator positions developed and functioning according to DWQ contract work plans. <p>RESULTS/OUTCOMES: Completed all (a-i) measures.</p> <ul style="list-style-type: none"> a. 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

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	<p>public expenditures aimed at improving the Jordan River by September 2020.</p> <p>b. Make the tool publicly available and provide training as requested by regulated entities along the Jordan River by September 2022.</p> <p>c. 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.</p> <p>RESULTS/OUTCOMES: A scoping level study of water quality tracking and trading was completed December, 2020. Based on the recommendations of the Study, further tool development was not warranted.</p>
GROUND WATER PROTECTION	
<p>The Utah Department of Environmental Quality, Division of Water Quality (Utah DWQ) certifies that it maintains and implements an adequate Underground Injection Control (UIC) Program under Section 1422 of the Safe Drinking Water Act (1422 UIC Program) in conformance with federal and state laws, regulations, and conditions set forth in program authorization (delegation) documents. As long as the Utah DWQ maintains a 1422 UIC Program, the Regional Administrator of the United States Environmental Protection Agency (USEPA) Region 8 and the Director of the Utah DWQ agree this Agreement shall remain in effect, except as amended through mutual agreement. Grant dollars awarded by the USEPA may be used by the Utah DWQ to perform core program activities (40 CFR Parts 144 and 147) to adequately maintain its 1422 UIC Program, even when these activities are not specifically defined by goals, measures, and/or reporting requirements. The Utah DWQ agrees to conduct core program activities as described in and as evidenced by the submittal of the UIC Program narrative included in the EOY Report.</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. 	
	<ol style="list-style-type: none"> 1. Maintain an effective 1422 Underground Injection Control Program per agreement with the EPA
	<ol style="list-style-type: none"> 2. To protect Underground Sources <ol style="list-style-type: none"> a. Evaluate the core program effectiveness as

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<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: 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>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>of Drinking Water (USDWs) from contamination by maintaining and implementing an effective core program, the DWQ 1422 UIC Program agrees to:</p>	<p>reported in the UIC Program narrative included in the EOY Report.</p> <ul style="list-style-type: none"> 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 used to inject industrial, municipal, or hazardous waste wells that fail mechanical integrity and maximize the number that are returned to compliance within 180 days, thereby reducing the potential to endanger USDWs. <ul style="list-style-type: none"> i. The reporting requirements for this metric shall be fulfilled by the 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. d. Identify and report the number of Class V motor vehicle waste disposal (MVWD) wells and large capacity cesspools that are closed or permitted

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	<p>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 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 11/15/2022.</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 11/15/2022. 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</p>

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		<p>11/15/2022. All reporting requirements are met by biannual submittals to the UIC Data Application.</p> <p>f. Completed.</p>
	<p>3. Encourage responsible environmental behavior and promote excellence in environmental quality through environmental education, community-based partnerships and qualitative and quantitative feedback from regulated and non-regulated customers.</p>	<p>a. Provide a description of presentations to local government groups, local health departments, public works departments, private sector groups, civil groups, etc. which include UIC concerns and opportunity for feedback. (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>RESULTS/OUTCOMES: Ongoing</p>

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Objective 3.4- Streamline and Modernize: Issue permits more quickly and modernize our permitting and reporting systems.	4. Reporting of 7520 Data and the Biannual and EOY Program Narratives.	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 Application. The Utah 1422 UIC Program prepares two program narratives: one prior to the mid-year program review and another for the EOY report.
		STATUS: a. Ongoing and current. Narratives submitted including notice that DWQ won continued funding from EPA for geodatabase extension and maintenance. Completed. Narrative submitted 11/15/2022.
	5. Continue administration of a comprehensive ground water protection program according to priorities established in Utah Ground Water Protection Strategy and the annual Division of Water Quality/Goals and Objectives.	a. End-of-year report as required by EPA grant on achievement of FY21 DWQ/Ground Water Program Goals and Objectives. 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.
		STATUS: Ongoing and Current
	STANDARDS AND TECHNICAL SERVICES	
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.	1. Maintain Water Quality Standards as the basis for effective water quality management and assessment programs.	a. Continue to review and compile a list of potential water quality standards to be included in the 2023 triennial review, including: nutrient criteria, appropriate modifications to Great Salt Lake standards, and new or revised 304 (a) criteria recommendations. b. Continue to collaborate with the water quality

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<p>Objective 3.3: Prioritize Robust Science: Refocus the EPA’s robust research and scientific analysis to inform policy making.</p>	<p>standards workgroup(s) of stakeholders and partners on continued water quality standards revisions.</p> <ul style="list-style-type: none"> c. Develop a plan for implementing tissue-based criteria (i.e., revised selenium criteria adopted). d. Add an authorizing provision for UPDES compliance schedules. e. Work towards adoption of Utah ammonia criteria based on EPA’s 2013 ammonia criteria recommendation. Refine the implementation guidance. <p>RESULTS/OUTCOMES: Ongoing and up to date on all of these items.</p>
	<p>2. Development of rules, policies, and procedures to ensure protection of Great Salt Lake and its surrounding wetlands.</p> <ul style="list-style-type: none"> 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). 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. c. Continue numerous efforts to encourage collaboration among DWQs sister State and Federal agencies with related management responsibilities for GSL. d. As resources allow, continue to develop and implement monitoring and assessment methods for GSL wetlands. e. As resources allow, finalize the key data gaps identified by the 2016 Great Salt Lake Aquatic Life Use Resident Taxa Summary.

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		<p>RESULTS/OUTCOMES:</p> <ul style="list-style-type: none"> a. GSL WQ Strategy internal draft was created/ task is progressing b. completed/ongoing c. completed/ongoing d. ongoing through at least 2024 e. ongoing
	<p>3. Development of numeric nutrient criteria and associated implementation procedures.</p>	<ul style="list-style-type: none"> 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. b. Continue working with stakeholders to refine the implementation strategy; including the incorporation of alternative TMDL practices . c. Continue to develop numeric water quality indicators and/or criteria for phosphorous, nitrogen and associated ecological responses to protect recreation or aquatic life uses for Utah's waters. d. Continue to meet with Utah's Nutrient Stakeholder Workgroups on outreach efforts in support of Utah's nutrient reduction efforts. e. Maintain up to date assessment processes and associated rules for a comprehensive nutrient reduction program. f. Continue to participate on TMDLs for nutrient-related impairments to ensure that, wherever possible, that the endpoints align with site-specific standard development. <p>RESULTS/OUTCOMES: Completed and ongoing</p>
	<p>4. Develop and implement a long-term biological assessment program.</p>	<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.

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	<ul style="list-style-type: none"> 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. <p>RESULTS/OUTCOMES: All tasks completed and ongoing</p>
	Monitoring and Reporting
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	1. Continue statewide monitoring efforts to meet DWQ's data needs.
	2. Conduct Strategy 1 (probabilistic), Strategy 2 (core programs) and Strategy 3 (programmatic/targeted monitoring) monitoring programs on a
	<u>Strategy 1 Monitoring: Probabilistic</u> a. Complete 25 statewide probabilistic sites per year using UCASE field protocols (wadeable streams).

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<p>drinking water, aquatic ecosystems, and recreational, economic, and subsistence activities.</p>	<p>statewide scale as outlined in the Strategic Monitoring Plan</p> <p>b. Participate in the National Lakes Assessment (NLA) during the 2022 field season.</p> <p>RESULTS/OUTCOMES: Part a postponed indefinitely. Part b completed.</p> <p><u>Strategy 2 Monitoring: Core Programs</u></p> <p>a. Ambient Monitoring Program: Complete ambient intensive targeted monitoring objectives in the Weber River Watershed</p> <p>b. Priority Lakes Monitoring Program: Conduct lake sampling at targeted lakes/reservoirs in the Weber River Watershed. Also, sample requested lakes outside of the Weber River Watershed that have unique circumstances (i.e. TMDL development; NPS; data gaps; suspect data; lakes of concern; etc.). <u>UCASE:</u> Complete 10-15 targeted UCASE sites in the Weber River Watershed. Sampling locations are re-visit sites from a previous rotating probabilistic survey. 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>c. Fish Tissue Contamination Program: Testing will focus primarily on mercury contamination.</p> <ul style="list-style-type: none"> ● Utilize established workgroup to provide guidance and recommendations for the program. ● Participate in issuing fish tissue advisories. ● Participate in triennial review preparations/discussion pertaining to elemental contamination.

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	<p>Cooperative Monitoring Program: 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> <p>RESULTS/OUTCOMES: Completed.</p> <p><u>Strategy 3 Monitoring: Targeted/Programmatic</u></p> <p><u>TMDL monitoring</u></p> <p>a. Monitoring runs (usually via intensive runs as part of the Ambient Monitoring Program) throughout the state to address data needs for WP Section to develop TMDLs. Parameters of concern are dependent on listed waterbody.</p> <p><u>Surface Water Compliance</u></p> <p>a. Continue to Implement QUAL2K model sampling for permit renewal and wasteload development</p> <p><u>NPS Effectiveness Monitoring</u></p> <p>a. Implement pilot study for Long-term monitoring stations to assess effects watershed restoration, long term trends and climate change and develop site specific sampling plans.</p> <p><u>E. coli Cooperative Monitoring</u></p> <p>a. 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>

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	<p><u>Utah Lake Monitoring Program</u></p> <p>a. A comprehensive monitoring program to characterize pollution sources into Utah Lake. This includes monthly sampling events, stormwater sampling, sampling in response to copper treatments, and sampling to generate aesthetic endpoints (i.e. How Green is too Green?).</p> <p><u>PFAS Monitoring Program</u></p> <p>a. Implement monitoring program to address PFAS contamination in drinking water sources, surface waters, and fish/waterfowl tissue.</p> <p><u>Harmful Algal Bloom Monitoring Program (HABs)</u></p> <p>a. Monitoring program developed to address proactive (baseline) and response monitoring related to HABs.</p> <p><u>Incident Response</u></p> <p>a. Allocate staff and equipment resources to respond to unforeseen environmental impacts that affect surface and groundwater.</p> <p><u>High Frequency Data Program</u></p> <p>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><u>Wasteload Allocation Synoptic Surveys</u></p> <p>a. Implement field monitoring activities to more accurately calculate wasteload allocations for</p>

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		<p>discharging facilities throughout the state. This includes dye tracer studies.</p> <p><u>Copper Treatment Monitoring</u></p> <p>a. Statewide monitoring to measure the potential effects of copper treatment activities to the state's waterbodies, especially at Utah Lake.</p> <p><u>Legacy Discharging Mine Program</u></p> <p>a Statewide monitoring program to quantify potential impacts to Utah's waterways from discharging mines.</p> <p>RESULTS/OUTCOMES: The Division has started working with local partners to quantify potential impacts to Utah's waterways from discharging mines. Ongoing planning, including SAP development, sample collection and analysis will be determined as funding allows.</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 documentation requirements for continuous monitoring.</p>	<p>a. Implement overhauled quality assurance system for water quality division</p> <p style="padding-left: 40px;">i. New documentation requirements for continuous monitoring stations will be developed as part of the scoping and planning of pilot study</p> <p>b. Training in revised SOPs and QAPPs</p> <p>RESULTS/OUTCOMES: Ongoing</p>
	<p>4. Continue management of AWQMS</p>	<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 resources to support the use of AWQMS.</p>

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	<p>d. Perform testing of new AWQMS patches/versions prior to updating.</p> <p>e. Expand on use of custom script queries to increase accuracy, quality, and efficiency of data management.</p> <p>RESULTS/OUTCOMES: DWQ's data review, validation, and verification process is currently in progress for the 2022 water year. Data collected for rivers and lakes during Quarters 1 and 2 of the 2022 water year have been imported into AWQMS and are currently available online. The data collected during Quarters 3 and 4 of the 2022 water year are undergoing quality control checks and are planned to be imported after validation has been completed.</p> <p>DWQ's instance of AWQMS has been updated to version 9.0. Version 9.0 is a major update that includes the following notable enhancements: new login and landing pages, increased map functionality including expanded search criteria and layer selection, a new single parameter statistics export option, expanded customization options for in system graph axes, expanded user management, ability to share metadata across organizations, quality of life changes for data imports, ability to import habitat assessment data from the NRSA mobile application, and added GUI configuration options and menu updates.</p> <p>DWQ has been utilizing a combination of the R and SQL programming languages to read data directly from the AWQMS cloud environment. This</p>

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	<p>functionality has allowed staff to more efficiently and consistently query and explore data within the database providing a more streamlined and customizable approach to managing and quality controlling data within the system. DWQ plans to continue to develop and expand upon this functionality to enhance efficiency and data quality.</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. Maintain monitoring strategy (Strategic Monitoring Plan). Updated version will be posted to DWQ's website. b. Continue to apply for the 106 Monitoring Initiative funds to address data gaps and needs identified in monitoring strategy and to produce state-scale probability survey results. RESULTS/OUTCOMES: Ongoing.</p>
	<p>6. Complete 2022 Integrated Report analysis of water quality data for submission to EPA by April 1, 2022</p> <p>a. Compile and prepare all readily available and credible data for assessments and perform assessments. 2021 b. Issue draft 2022 Integrated Report for a minimum 30 day public comment period and integrate public comments into final report. January 2022 c. Complete and submit 2022 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, 2022 RESULTS/OUTCOMES: Complete.</p>
	HARMFUL ALGAL BLOOM RESPONSE PROGRAM
Objective 1.2 – Provide for Clean and Safe Water: Ensure waters are clean through improved water infrastructure and, in partnership with states and	<p>Maintain and implement responsive Waterborne Pathogen (WBP) (i.e., <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> and HABs results, water recreational risks avoidance, and education.</p>

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<p>tribes, sustainably manage programs to support drinking water, aquatic ecosystems, and recreational, economic, and subsistence activities.</p> <p>Objective 3.3: Prioritize Robust Science: Refocus the EPA’s robust research and scientific analysis to inform policy making.</p>		<ul style="list-style-type: none"> b. Continue development of agency-wide strategic communication: response, education, messaging and advisories. c. Maintain up to date WBP and HAB guidances, sampling and analysis plans, and SOP documents as necessary. d. Maintain water recreation incident response reporting information and tracking. e. Improve program data management f. Continue partner data sharing for enhanced monitoring tool development. g. Update integrated report assessment methods related to WBP and HABs. <p>RESULTS/OUTCOMES: All tasks completed and ongoing</p>
	JORDAN RIVER FLOW STUDY	
<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>	<ul style="list-style-type: none"> 1. Conduct a flow study that will acquire water rights to increase flow in the lower Jordan River to study the influence of flow on chronic low dissolved oxygen (DO) conditions during dry base flow conditions. 	<ul style="list-style-type: none"> a. Form stakeholder group including Salt Lake City Public Utilities, Jordan River Commission, Audubon Society, Utah Division of Wildlife Resources and Kennecott Copper. b. Acquire water rights in consultation with partners c. Conduct flow experiments during the critical late-summer period (July-September) over a period of two years. d. During the flow experiments, collect water quality data at 8 monitoring stations on the lower Jordan River e. Analyze and report findings <p>RESULTS/OUTCOMES: The Jordan River Flow Study was not conducted this year due to drought. Water rights have been secured for the</p>

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		study that is ready to go when conditions are more favorable.

TABLE 1 –UIC REPORTING REQUIREMENTS

Due Date	Reporting Cycle	Report Required
May 15	Semi-Annual	Electronic submittal to UIC National Database for First and Second Federal Fiscal Year Quarters (October 1 through March 31) RESULTS/OUTCOMES: Complete
November 15	Annual	Electronic submittal to UIC National Database for First, Second, Third, and Fourth Federal Fiscal Year Quarters (October 1 through September 30) Utah DEQ End of Year Report to EPA (EOY Report) RESULTS/OUTCOMES: Complete
December 31	Annual	Final Financial Status Report (FSR) RESULTS/OUTCOMES: Complete