



STATE OF IDAHO
DEPARTMENT OF
ENVIRONMENTAL QUALITY

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C.L. "Butch" Otter, Governor
John H. Tippets, Director

September 11, 2018

Mr. Ricardi Duvil, Ph.D.
Environmental Engineer
US Environmental Protection Agency Region 10
1200 Sixth Ave.,
Suite 900, OWW-193
Seattle, WA 98101

Subject: Idaho DEQ Fiscal Year 2018 Annual Report on Capacity Development

Dear Mr. Duvil:

Enclosed is a report on the Idaho Drinking Water Program's capacity development efforts for state fiscal year 2018 (July 1, 2017–June 30, 2018).

The Idaho Department of Environmental Quality continues to support the capacity development program because enhancing the technical, financial, and managerial capabilities of the state's small drinking water systems (97% of the state's public drinking water systems are classified as "small" or "very small") is essential to a safe public water supply.

Sincerely,

A handwritten signature in black ink that reads "Barbara J Jones".

Barbara J Jones
Drinking Water Program Analyst
Capacity Development Coordinator, Drinking Water Program

BJJ:tg

Enclosures

**2018 Annual
Capacity Development Implementation Report
to the
US Environmental Protection Agency**

State Fiscal Year 2018
(July 1, 2017–June 30, 2018)



**State of Idaho
Department of Environmental Quality**

2018



*Printed on recycled paper, DEQ September 2018,
PID DWPR.DWPA.DWCD.0506, CA 82096. Costs
associated with this publication are available from the
State of Idaho Department of Environmental Quality
in accordance with Section 60-202, Idaho Code.*

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Introduction

The Idaho Department of Environmental Quality's (DEQ's) Drinking Water Program implements the state's capacity development program. The following annual capacity development implementation report describes capacity development efforts during state fiscal year 2018 (July 1, 2017–June 30, 2018). This report contains all of the required United States Environmental Protection Agency (EPA) reporting elements for the annual state capacity development program implementation report.

Capacity development program accomplishments are funded with set-aside monies from the EPA Capitalization Grant of the Drinking Water State Revolving Fund.

No major modifications to DEQ's Capacity Development program were made for SFY2018.

1 Capacity Development Strategy

Infrastructure assets, reliability in operation and management and cost-effective long term sustainability require a sustained and collaborative technical assistance effort. DEQ is responsible for implementing the state's drinking water capacity development strategy. In 1989, the DEQ director appointed the Drinking Water Citizens Advisory Committee (DWAC) to determine the status of Idaho's PWSs and to make recommendations for improving system capacity to deliver safe drinking water to Idaho citizens. In July 2000, the DWAC issued a report listing its findings and recommendations, which helped to establish the state's capacity development strategy.¹ The report of findings is available on request. As a result of the DWAC findings, DEQ published *A Strategy for Improving the Financial, Technical, and Managerial Capacity of Idaho's Public Drinking Water Systems* in July 2000, which guides the state's capacity development program. This report can be found at:
<http://www.deq.idaho.gov/media/60179907/capacity-development-strategy.pdf>

Capacity development is recognized as being a key component of the State's core drinking water program and assistance is available to any water system that has a need and is willing to work with DEQ or its partners in achieving compliance.

Idaho's Capacity Development Strategy is in the process of being updated. The strategy is intended to meet regulatory requirements of the Safe Drinking water Act while providing a flexible framework to enhance public health protection, provide accountability, and assist water systems with targeted assistance.

Legal Authority

The State of Idaho Code Section 39-118, requires that prior to constructing, extending, installing or operating a public a public water system; plans must be submitted to the Department and

¹ *Report of Findings: On Improving the Technical, Financial, and Managerial Capacity of Idaho's Public Water Systems*, Drinking Water Citizens Advisory Committee to the Idaho Department of Environmental Quality, July 2000.

approved in writing. The Idaho Rules for Public Drinking Water Systems (IDAPA 58.01.08.500 addresses capacity requirements for public water systems).

2 Technical, Financial, and Managerial Capacity for New Public Water Systems

States participating in the Drinking Water State Revolving Fund loan program are required by the 1996 amendments to the federal Safe Drinking Water Act to ensure that all new community and nontransient, noncommunity water systems demonstrate adequate technical, financial and managerial (TFM) capacity (i.e., capabilities) before the system deliver water to beginning operation. To fulfill the federal Safe Drinking Water Act requirements, the “Idaho Rules for Public Drinking Water Systems” (IDAPA 58.01.08.500) require that owners of new PWSs demonstrate TFM capacity. Engineering documents include a facility plan, preliminary engineering report, demonstration of technical, financial and managerial capacity and plans and specifications. Section 500 of the Drinking Water Rules provides facility and design standards for the demonstration of TFM capacity of public drinking water systems. DEQ coordinates with local management, developers and utilities to ensure capacity development requirements are being met.

Capacity Development for new community water systems also includes water systems that are developed to provide cost-effective solutions to existing public health problems such as unsafe individual wells or surface water sources within a specific geographic area. These water systems can receive Drinking Water State Revolving Funds (DWSRF) to assist with construction. These water systems are subject to the facility and design standards in Idaho Rules for Public Drinking Water Systems.

There were 38 newly regulated public water systems identified in SFY2018. Of those 38 systems, 29 were classified as transient water systems. Four were non-community non-transient public water systems and 4 were community water systems, which are listed in Table 1. The systems on this list were newly discovered or existing systems whose population in 2018 met the criteria to be regulated. The systems received various levels of capacity development assistance such as evaluation of their current system, development of sampling plans, finding qualified operators, monitoring requirements, etc.

Table 1. New Community and NTNC public water systems for SFY 2018

ID	NAME	System Type	Active Date
ID1280314	ROLLING MEADOWS RANCH	C	7/1/2017
ID2180006	CAVENDISH SCHOOL	NTNC	10/17/2017
ID3140268	BREANNA DAIRY	NTNC	8/31/2017
ID3140269	DEGROOT DAIRY	NTNC	8/31/2017
ID4430106	HAWKS BAY ESTATES HOA LLC	C	3/29/2018
ID5160089	IDA-BEEF	NTNC	4/16/2018
ID5420107	ROCK LEDGE ESTATES	C	12/22/2017
ID7100208	FALCON RIDGE SUBDIVISION	C	1/1/2018

None of the above systems were on the Enforcement Targeting Tool list as an enforcement priority during SFY2018.

Engineering Assistance

DEQ reviews the TFM aspects of new PWS plans and specifications. A portion of this review is funded by the State Revolving Fund 2% Technical Assistance Set-Aside Grant. The list of new system tracked items includes:

- Facility Plans
- Preliminary Engineering Report
- O & M Manual
- Well Site Evaluation
- Well Completion Report
- Technical, Financial and Managerial Capacity Documentation

Technical Assistance

New water systems are assigned a public water system number that corresponds to the regional office that has jurisdiction over the water system. Additional assistance includes:

- Monitoring Schedules
- System Classification Requirements
- Operator Licensing Information
- Water System Inventory Information

3 Technical, Financial, and Managerial Capacity for Existing Public Water Systems

DEQ continues to provide ongoing TFM training and assistance to owners and operators of the state's small public water systems. For the reporting period ending June 30, 2018, The State of Idaho had 1983 active public water systems. Based on EPA's classification of drinking water systems, 97% of Idaho's 1,983 public water systems (PWSs) are classified as "small" or very small.² Of the 1,983 systems, 1753 are classified as very small, 178 are small, 28 are medium, 22 are large, and 2 are very large.

Identifying Systems that Need Assistance

Compliance data, sanitary survey information, and the Enforcement Tracking Tool (ETT) are utilized to identify systems in greatest need of technical assistance. DEQ also conducts Level 2

² EPA size classifications for public water systems:

- Very small water systems serve 25–500 people.
- Small water systems serve 501–3,300 people.
- Medium water systems serve 3,301–10,000 people.
- Large water systems serve 10,001–100,000 people.
- Very large water systems serve 100,001+ people.

Site Assessments following an *E.coli* maximum contaminate level (MCL) violation. These assessments are used to identify sanitary defects or issues that led to the violation and recommend corrective actions to resolve the issue. Twenty Level 2 Assessments for MCL violations were completed by staff during the reporting period.

Enforcement Tracking Tool

As of June 30, 2018, the ETT list had 105 existing systems on the list. All required and received various assistance actions. The technical assistance provided included one or more of the following:

- Contacting the owner/operator by phone for technical assistance.
- Providing the owner/operator a tutorial of our Public Switchboard: www.deq.idaho.gov/pws-switchboard (*Idaho DEQ's hub of all Drinking Water Information: Rules, Monitoring Schedules, Lab Forms, Drinking Water Watch, Training Calendar, etc.*). This allows the operator to obtain information about various DEQ programs, access to state and federal regulations and policies, and downloads of instructional aids.
- Performing a site visit to evaluate system operations or to conduct RTRC assessments.
- Providing the operator with technical assistance through referral to a third party service provider.
- Providing written correspondence such as for failure to monitor letters, e-mail, etc.
- Taking enforcement actions when necessary.

The number of water systems on the ETT list each quarter varies based on unplanned health-based violations such as MCL's or *E. coli* events, in addition to RTRC, significant deficiencies and monitoring violations. Each violation is responded to by field staff and reported during quarterly meetings. Public water systems with a systemic pattern of violations are placed under an enforceable action to return it to compliance. The number of water systems with health based violations and an ETT score of 11 or greater decreased 15% from January 2018 to July 2018. In SFY 2018, a new reporting measure was added entitled "Precursor Achieved Removal Ratio". This report determines compliance for TOC and Alkalinity sampling.

Ground water rule violations including failure to consult and failure to address significant deficiencies have trended upward in the past three years. DEQ, along with our third party providers are working together to decrease this number through targeted technical assistance.

Technical and Compliance Assistance

DEQ Regional Office and District Health Department Drinking Water Staff—One avenue of disseminating information is through drinking water staff in DEQ's six regional offices and seven district health departments. One-on-one contacts are an effective method of assisting system operators. Regional offices are located in the following cities throughout the state:

- Boise
- Coeur d'Alene
- Idaho Falls
- Lewiston
- Pocatello

- Twin Falls

Idaho's seven district health departments, listed below, are under contract with DEQ to provide technical assistance to the state's small PWS owners and operators. Very small system owners are most challenged by Safe Drinking Water Act requirements because they typically depend on volunteer or part-time operators and have limited financial resources.

- Panhandle Health District
- Public Health–Idaho North Central District
- Southwest District Health
- Central District Health Department
- South Central Public Health District
- Southeastern Idaho Public Health
- Eastern Idaho Public Health District

Public Water System Switchboard—The Switchboard provides system owners and operators with links to rules, checklists to assist in the preparation of plans and specifications, public notification templates, sanitary survey forms, drinking water system classification requirements, operator licensing, and more. See www.deq.idaho.gov/pws-switchboard.

- **Consumer Confidence Reports (CCR)** – The CCR reporting tool links owners and operators to water system sample results and violation history report to assist in preparation of their CCR. Information is provided regarding electronic report delivery and a link to EPA's CCR iwriter at: <http://www2.deq.idaho.gov/water/ccrtool/MainPage>. In 2018, the CCR report tool was updated to reflect reporting requirements under the RTCR. System owners who do not have access to a computer or the Internet can contact DEQ to receive hard copies of the CCR templates, instructions, and a listing of the system's violations and detections by mail.
- **Disinfection Byproducts (DBP)**—This link provides direct access to information for the Stage 1 and Stage 2 DBP rule. See <http://www.deq.idaho.gov/water-quality/drinking-water/pws-tips-guidance/disinfection-byproducts/>
- **Lead in Drinking Water**—Resources for the lead and copper rule are available on this site. The link includes rule information, templates regarding lead and copper sampling protocols, sample site selection, and consumer notifications of lead tap results and public education templates. There is also a link regarding lead in school drinking water, which contains health risk information, free testing information for public schools, and EPA's 3Ts guidance.
- **Monitoring Schedules**—Water system operators and owners can easily review their current year monitoring requirements with this application. The report also identifies if the monitoring requirement has been satisfied once the sample has been entered into the Safe Drinking Water Information System (SDWIS).
- **Lab Forms**—This application can be used by system operators or owners to produce laboratory request forms. The application uses data in the state drinking water database to identify samples that are due during the current year. See www2.deq.idaho.gov/water/DWLabForms.
- **Sample Results**—Monitoring results are available online through DEQ's SDWIS database by using the Sample Results tool at <http://dww.deq.idaho.gov/IDPDWWW/>.

- **Record Retention Schedule**—This application provides water system operators and owners with the required retention schedule for all monitoring and reporting records.
- **Revised Total Coliform Rule (RTCR)** —This link provides water system operators and owners access to assessment forms to evaluate potential sanitary defects following a total coliform positive triggering event, seasonal start-up procedures, and sample siting plans. See <http://www.deq.idaho.gov/water-quality/drinking-water/revised-total-coliform-rule/>
- **Drinking Water Program Feedback Form** - To better serve our customers, program staff created a “Drinking Water Program Feedback Form”. This allows the public to identify areas where the Drinking Water Program can provide them better service.

Autodialer—DEQ has provided automated telephone and e-mail reminders to owners and operators of PWSs since 2010, to help inform them of upcoming sampling deadlines. This low-cost, high-impact activity has been well received by the operator community and resulted in a 49% reduction in failure-to-monitor violations (*comparing 2007 to 2016*). The calls have been expanded to include reminders for RTCR seasonal start up procedures and lead consumer notification at homeowner’s taps. The auto-dialer has also been used to notify water systems impacted by a regional power failure of the need to disinfect and flush the system.

In SFY18, DEQ program staff assembled and posted drinking water health advisories for Perfluorooctanoic Acid (PFOA) and Perfluorooctane Sulfonate (PFOS) in addition to Blue-Green Algae and Harmful Algal Blooms (HABs). Health advisories are non-enforceable technical guidelines to provide information on contaminants that can cause human health effects and are known (or anticipated) to occur in drinking water.

Statewide, community and noncommunity nontransient water systems due for lead/copper monitoring received sampling reminders. Seasonal water systems were sent postcard reminders regarding their seasonal start up procedures.

Engineering Review for Existing Systems

In state fiscal year 2018, DEQ’s completed review of 1048 projects related to drinking water capacity. These projects included review of:

- Facility Plan, Master Plans, Comprehensive Plan
- Operation and Maintenance Manual
- Plan and Specification Submittal
- Plans and Specifications approved by a Qualified Licensed Professional Engineer
- Record drawings
- TFM Capacity Documentation
- Request for waiver of IDAPA rules
- Well completion report
- Public Drinking Water System Well Site Evaluation

4 Sanitary Survey

Comprehensive sanitary surveys continue to be a fundamental public health protective tool for assessing, evaluating, and documenting the TFM capacity of PWSs throughout the state. The

surveys assist owners and operators in both short-term and long-term planning activities associated with their systems.

These surveys are also used to coordinate activities between DEQ (the primacy agency) and third-party service providers such as the Idaho Rural Water Association (IRWA) and Rural Community Assistance Corporation (RCAC). These collaborative efforts have become increasingly important to leverage limited resources among organizations for the collective benefit of the public.

Sanitary Survey Procedures

In an effort to maintain consistency and ensure the sanitary survey process is backed by the enforceability of the rule requirements, a standardized sanitary survey (SS) form is utilized to evaluate the status of a public water system and to ensure the protection of public health. During the reporting period, 403 sanitary surveys were completed.

Highlights of the SS form are listed below:

- The SS form incorporates a comprehensive review of a systems technical, financial, and managerial capacity.
- The SS form, which has been developed in Excel, utilizes conditional formatting to automatically identify “significant deficiencies” as red, “deficiencies” as green, and “recommendations” as yellow. This helps the inspector to quickly identify issues that need to be corrected.
- Each question in the SS has an associated SS report statement that can be placed into a report template for more efficient report generation.
- Each report statement identifies the rule citation to identify the authority for the requirement.

Online SS Inspection Form

To assist system owners and operators in preparing for their next sanitary survey, the “State of Idaho Public Water System Sanitary Survey” form used by state inspectors is available on DEQ’s website at <http://www.deq.idaho.gov/media/60176938/sanitary-survey-form.xlsx>.

Having this form available online provides increased transparency to the inspection process and enables system owners or operators to collect data in advance that they might not otherwise have available in their daily operations. The SS form also standardizes the nature of the inspection, thereby ensuring all systems are held to the same standard regardless of system location or inspector, and decreases the time necessary to complete the inspection for both the inspector and the water system representative.

Inspectors encourage system operators to conduct self-inspections of their systems with these forms. Using this form has allowed operators to remedy identified deficiencies in advance of the inspector’s arrival at the system. This demonstrates the educational value of the self-inspection process.

Preliminary Inspection Findings Form

The Preliminary Inspection Findings Form (PIFF) allows sanitary survey inspectors to leave a list of identified deficiencies with system operators so they can begin to correct priority problem areas immediately. At the bottom of the PIFF, a section is provided where operators can request “Free Technical Assistance” from third party service providers. This allows the operator to get help in the following areas: financial management, specialized training, technical assistance, system operation, and source water protection. Thirty five PIFFs were provided to the following third party service providers:

- **Idaho Rural Water Association (IRWA)**
- **Rural Community Assistance Corporation (RCAC)**

Idaho Rural Water Association—DEQ collaborates with IRWA to identify water systems in need of on-site technical assistance. A quarterly “Technical Assistance List and Tracker” is submitted with updates as to the support IRWA provided to Idaho public drinking water systems. For the reporting period, cross connection control plans, asset management plans, operation and maintenance manuals and operator licensure issues were addressed. A listing of the systems IRWA assisted is shown in Attachment 1.

Rural Community Assistance Corporation—RCAC provided DEQ with an Idaho implementation plan for its EPA training grant contract titled “Training and Technical Assistance for Small Drinking Water Systems to Achieve and Maintain Compliance through Assessing and Addressing Deficiencies.” Specific assistance to small water systems is shown in Attachment 2.

5 Training Opportunities

Continuing education and training opportunities are offered to water systems by a number of different training providers.

The Idaho Drinking Water Program focuses on web-based resources and training materials available to assist with planning. The program continues to educate members of the water industry through DEQ’s “Public Water System Switchboard,” where water operators can obtain information about various DEQ programs, access state and federal regulations and policies, and download instructional aids. The Switchboard can be accessed at www.deq.idaho.gov/water-quality/drinking-water/pws-switchboard. This location is intended to be a “one-stop shop” for information for owners and operators. Some of the training information provided on the Switchboard is described below:

- **Training Calendar**—The Switchboard has a link to a comprehensive training calendar. The calendar is populated by trainers with class information as soon as it is available. This calendar provides timely information about training for owners and operators of PWSs.
- **Cross-Connection Control**—A link provides answers to frequently asked questions about cross-connection control. It also explains what a cross-connection is and advises water purveyors on measures that must be taken to protect their water systems against contamination and pollution from cross-connections.
- **Lead in Drinking Water**—This Switchboard button provides links to information and templates regarding lead and copper sampling protocols, lead and copper sample site

selection, and consumer notice of lead tap results. Information is available on how to reduce exposure to lead in drinking water.

- **Revised Total Coliform Rule (RTCR) Training**—A link provides access to a free American Water Works Association (AWWA) eLearning course on “Maintaining and Achieving RTCR Compliance for Small Systems.” The Switchboard also links to the DEQ website where detailed rule information for the RTCR can be found.
- **Sanitary Survey Continuing Education Units (CEUs)**—CEUs are provided by DEQ to the operators of systems classified as “Very Small” water systems, “Distribution 1”, and Distribution 2 systems for successfully completing limited pre-inspection “homework” activities, actively participating in the enhanced sanitary survey and follow-up corrective action planning associated with the enhanced sanitary survey. During the reporting period, DEQ issued 67 CEU certificates. Details of this program are available online at the Switchboard by clicking on “Sanitary Survey CEUs.”
- **Sanitary Survey Form**—The “State of Idaho Public Water System Sanitary Survey” form used by DEQ drinking water inspectors is available to system owners and operators for use as a checklist to prepare for their next sanitary survey.
- **“How to Sample” Videos**—The American Water Works Association water sampling procedure videos (via YouTube) demonstrate sampling techniques for various contaminants.
- **Operation and Maintenance (O&M) Training Videos**—The EPA has developed a new webpage titled, “Water & Wastewater Utility Operation and Maintenance Training for Small, Rural Systems” that contains operation and maintenance training modules

Additional Training and Workshop Opportunities

DEQ Regional Operator Workshops—DEQ’s six regional offices recognize the value of local, face-to-face training and hold drinking water workshops in their areas on an as-needed basis for system operators and owners. In 2018, workshop topics focused on operator math review, resolving distribution challenges, DEQ engineering project requirements and best management considerations, and introduction to aquifer testing and monitoring. The workshops also featured an operator panel discussion on a “week without water-success in the face of adversity”. 0.6 CEUs were provided for attendees. An additional workshop focused on RTCR Level 1 and Level 2 assessments, cross connection control and emergency response.

Source Water Protection Workshops—DEQ staff conducted six regional source water protection workshops for operators and water system staff. Information was presented on assessments, delineations, planning, funding for protection and water system financial capacity.

Water Quality Loan Program—The water quality loan program conducted “Funding Agency Training for Water and Waste water Projects” in six cities. This training was in collaboration with several funding agencies and included an overview of funding eligibility and each agency’s process and funding levels. Staff also provided a funding booth at the Association of Idaho Cities and the Southern Idaho Operator Training events and participated in Energy Audit training for water and waste water operators.

IRWA Statewide Training—During the reporting period, DEQ staff in collaboration with the Idaho Rural Water Association, conducted trainings to operators during the Spring IRWA conference regarding source water protection funding, SMART Management Financial Tool and water/wastewater project funding options. IRWA offers classes for operators. Available classes and schedules may be accessed at www.idahoruralwater.com and are displayed on the DEQ training calendar at www.deq.idaho.gov/water/TrainingEventCalendar/DisplayEvents/InitEventCalendar.

Environmental Finance Centers—The ten national EFCs provide various webinars to help address the financial and managerial training needs of operators in Idaho. Available classes and schedules may be accessed on the EFC website at <http://efc.sog.unc.edu/event/table/allevnts> and are displayed on the DEQ training calendar at www.deq.idaho.gov/water/TrainingEventCalendar/DisplayEvents/InitEventCalendar

Idaho Bureau of Occupational Licenses (IBOL)—Additional information on operator training requirements is provided by IBOL at its Idaho Training and Continuing Education Reference Guide website at <http://ibol.idaho.gov/IBOL/BoardAdditional.aspx?Bureau=WWP&BureauLinkID=130>. Approval letters provided to new training vendors include a request to populate their training events into the training calendar at www.deq.idaho.gov/water/TrainingEventCalendar/DisplayEvents/InitEventCalendar.

6 Grants and Loans

Information and solicitation for Letters of Interest (LOI) are sent annually to PWSs and consulting engineers for planning grants or DWSRF loans with DEQ. Systems who submit LOIs get on a priority list for the upcoming fiscal year.

The Planning Grant Program provides assistance to eligible public drinking water systems for facility planning projects designed to ensure safe and adequate supplies of drinking water. Grants awarded under this program are used to develop engineering reports identifying the most cost effective, environmentally sound method of upgrading a public drinking water system to achieve and maintain compliance with state and federal standards. Grants cover up to 50% of eligible planning costs, with a matching share funded by local sources. In SFY 2018, DEQ approved 14 drinking water planning grants.

DEQ's DWSRF provides below-market-rate interest loans to help repair or build new drinking water facilities. The SDWA allowed states to establish a DWSRF program to assist public drinking water systems with financing infrastructure upgrades needed to protect public health and achieve and maintain compliance with the SDWA requirements. The DWSRF authorizes grants to states to capitalize revolving loan funds. A revolving loan is a self-replenishing pool of money, using annual Federal capitalization grants, investment earnings, and interest and principal payments on old loans to issue new loans. In SFY 2018, DEQ awarded 6 water system loans totaling approximately 15 million dollars.

7 Program Review

DEQ is continuing efforts to revise the guidance document titled *How to Demonstrate Financial, Technical, and Managerial Capacity in New Public Water Systems*, which describes the elements of water system infrastructure, financing, management, and operations that should be considered to demonstrate to DEQ the TFM capability of new or substantially modified community or nontransient noncommunity PWSs. The guidance is intended to assist new or substantially modified PWSs in developing TFM capacity and thereby ensure the consistent delivery of safe drinking water.

DEQ will prioritize efforts to track capacity development efforts through:

- Sanitary Surveys
- Compliance History and Trends
- DWSRF Program
- Third Party Provider Contact
- Engineering Reviews

8 Triennial Capacity Development Report to the Governor

Every three years, DEQ submits a report on the state's capacity development program to the governor of Idaho. The most recent triennial report was submitted in 2017. These reports are available on-line at: <http://www.deq.idaho.gov/water-quality/drinking-water/capacity-development/>.

**ATTACHMENT 1-Technical Assistance Provided to Small Water Systems
By Idaho Rural Water Association (IRWA)**

Training and Technical Assistance for Small Public Water Systems to Achieve and Maintain Compliance with the Safe Drinking Water Act

Fourth Quarter Progress Report FY2018

(Updated 8/2/2018)

Total on-site hours obtained to-date: 124.75

Total formal classroom training hours to-date: 54.0

Formal Classroom Training Fourth Quarter

Math Certification Review

Emergency Response for Public Utilities

Certification Review for Drinking Water Operators Levels III and IV

Fundamentals of Very Small Water Systems

Technical Assistance Fourth Quarter

During the fourth quarter, IRWA provided on-site (i.e. at the system) technical assistance and training to the drinking water systems of Moscow, White Bird, New Meadows, Firth, Payette Lake Water and Sewer District, the Monastery of St. Gertrude's, Nez Perce Tribal Utilities, Horseshoe Bend, Melba, and the Bureau of Indian Affairs North Idaho Community Water System in Lapwai.

Technical assistance for quarter four included the following topics:

- Operator licensing requirements
- Certification training and system classification guidance
- Delivery and review of study material for operator exams
- Nitrate education in Nitrate Priority Areas and outreach regarding source protection, public health, and the benefits of public water systems
- Sanitary Survey deficiencies
- Source Water Protection Plan work
- Troubleshoot disinfection system
- Administrative and Board training regarding monthly duties, record keeping, regulations
- Planning assistance for new projects, which included in-depth discussion and guidance on the drilling of a new well, selecting the proper location to drill, protecting the source, budgeting appropriately, and keeping the community informed
- Safety training
- Emergency response education and follow-up

**Grant Program 2017 - 2018: Idaho Rural Water Association (IRWA)
Technical Assistance List and Tracker
(Last Updated 7/31/2018)**

Status: Closed

Date Added: Referral received from Barbara Jones on 12/2/2016

Date Completed: 11/7/2017

DEQ Contact Name: Elizabeth Braker 208-799-4370

PWS Name: Waha Glenn Water District PWS# 2350030

Region/Location: south of Lewiston, Nez Perce County

PWS Contact Name: Pete Gurtensen

PWS Contact Phone: 743-1615

PWS Contact Email: wahapete@hughes.net

Type of Technical Assistance needed: O&M, public health/source water protection, emergency planning.

Description: Waha Glenn had a number of deficiencies listed on their most recent Sanitary Survey. Items included an AVB on a threaded tap, a mesh screw on the storage tank, and needing an RTCR sampling site plan and cross connection plan.

Progress: Adrianna Hummer spoke with Pete Gurtensen on the phone on March 27, 2017. Pete had already taken care of all the significant deficiencies from the sanitary survey. However, a potential violation pending review was still a concern for Waha Glenn. The storage reservoir has a metal covering that is rusted out. This is a potential contamination problem that the system has been unsure on how to fix. Another issue that Pete mentioned was that their well head is located in a pit below ground, causing it to be susceptible to flooding and other contamination sources. Pete mentioned all their money at this time was going towards fixing the well pump. Adrianna sent Pete some information on funding resources, such as Rural Development and other small grant and loan programs. IRWA Drinking Water Circuit Rider Kevin McLeod will set up a meeting with Pete for this week to stop and see the storage tank cover and discuss possible options for repair. 3/27/2017

Kevin and Pete have had another phone conversation but have yet to be able to connect in person. Kevin is hoping to touch base with Pete at the system in May. 5/2/2017

Kevin attempted to make contact with Pete while he was in the Lewiston area in mid-June. He was unable to reach anyone at the water system, but will continue to reach out and provide assistance over the phone and hopefully in person. 6/25/2017

Kevin McLeod has continued to have phone conversations with Pete regarding the Waha Glenn water system and he will stop by on his trips north as needed. Adrianna left a voicemail with Pete on 11/7/2017 checking in with him and encouraging him to call with any questions or issues that arise. All significant deficiencies have been fixed at this time. 11/7/2017

Status: Closed

Date Added: Referral received from Barbara Jones on 5/19/2017

Date Completed: 8/9/2017

PHD Contact: Cassandra Lemmons

PWS Numbers/Name: Cassia School District 151 PWS#5160086

Location: Cassia County

PWS Contact Name: Kim Hurst

PWS Contact Phone: 208-219-1209

PWS email: hurkim@cassiaschools.org

Type of Assistance Needed: Public health.

Description: Need backflow prevention devices for sprinklers.

Progress: Adrianna spoke with Kim on the phone on 6/23/2017. Kim has had two separate plumbing companies come look at his sprinkler system and they both informed him that he had vacuum breakers on the system and therefore no further backflow protection was needed. IRWA will send a field staff member to the system to double check the devices are correctly installed and are the correct type of device. Kim also asked for assistance with a chlorinator at his other system, Raft River School in Malta. Adrianna forwarded his contact information to Drinking Water Circuit Rider Bill Hays, who will set up a meeting with Kim. 6/25/2017

Bill Hays visited with Kim on August 9, 2017 to perform a cross connection assessment of the sprinkler system at the school. Bill advised Kim on what is required for the system to be in compliance and how to install the devices. He also visited Raft River with Kim and assisted in troubleshooting the chlorinator settings. 10/6/2017

Status: Closed

Date Added: Referral received from Barbara Jones on 7/14/2017

Date Completed: 11/7/2018

PHD Contact: Cassandra Lemmons

PWS Numbers/Name: Snake River Elks PWS#5270028

Location: Jerome County

PWS Contact Name: Brenda Sreca

PWS Contact Phone: 208-316-4770

PWS email: bjsreca.bpoe2807@gmail.com

Type of Assistance Needed: Operations and maintenance, public health, source protection.

Description: Raw water sample tap not present and contamination source within 50 feet of well. All boxes checked on PIFF form.

Progress: Adrianna left a voice mail for Brenda on 7/26 offering her assistance with all of the issues listed. 7/26/2017

Adrianna spoke with Brenda over the phone on 11/7/2017. Brenda informed her that they had a raw water sample tap installed. They are still looking for some technical assistance and Brenda was meeting with the Board that evening. She will pass along Adrianna's number and encourage the Board to reach out to IRWA for assistance. If Adrianna doesn't hear back she will call again. 11/7/2017

Status: Closed

Date Added: Referral received from Cassandra Lemmons on 7/26/2017

Date Completed: 5/3/2018 due to non-responsiveness

PHD Contact: Cassandra Lemmons

PWS Numbers/Name: Gannett HOA PWS#5070086

Location: Blaine County, near Carey

PWS Contact Name: Bob Sealy, Joel Hall, Bob Simpson

PWS Contact Phone: Sealy: 208-720-4826; Joel: 208-721-7867; Simpson: 208-309-0319

PWS email: idahoseelys@gmail.com

Type of Assistance Needed: Rule education, source protection, sampling, public notice.

Description: This system needs to provide their customers and the Health District with public notices and verification of the notice. They need a current sampling site plan for the RTCR. Need a Cross

Connection Control Plan. Need to provide proof of arsenic and sodium sampling. May also need assistance with operator education as Bob Simpson has stated he will be retiring soon.

Progress: Adrianna shared the info provided by Cassandra with Drinking Water Circuit Rider Bill Hays on 7/28. Bill has worked with Gannett HOA in the past on these issues but it doesn't seem like they did much with the information provided. Bill and Adrianna will work together to assist Gannett. 7/28/2017

Adrianna sent an email to Cassandra Lemmons with PHD5 on 11/7/2017 to see if Gannett HOA had made any progress on the items listed above. After Adrianna hears from Cassandra to see what is still needed she will call Gannett and try to set up a meeting with them to work on the issues. 11/7/2017

Cassandra responded to Adrianna on 11/16/17 with a list of items still needed from Gannett. The list includes the following: public notice posting and certification for completing the ESS corrections late, sodium results from March arsenic testing, written cross connection plan, sample siting plan for RTCR, lead/copper consumer notice posting, due 12/29/17. Adrianna left a voicemail for Bob Sealy offering to come complete the items the week of 12/4/17. She also spoke with Joel Hall on the phone on 12/5/17 regarding the items that Cassandra still needs. Joel did not seem willing to work on the items. Adrianna let him know they were past due and there were fines associated with non-compliance. She encouraged him to have Bob contact her. 12/7/17

Adrianna has continued to reach out to Gannett HOA and has called multiple people that work for the system. She has also spoken to their staff at trainings. Cassandra has continued to cc Adrianna on emails to the system staff and encourage them to utilize IRWA assistance. No follow up on the part of the system has occurred and there has been no positive reception to receiving assistance. This PIFF request is being marked closed at this time due to non-responsiveness on the part of the system. IRWA is available for assistance at any time that the system wishes to address their problems. 5/3/2018

Status: Closed

Date Added: Referral received from Barbara Jones on 8/18/2017

Date Completed: 10/5/2017

DEQ Contact: Richard Lee

PWS Numbers/Name: King Hill Domestic Water and Sewer PWS#4200026

Location: Elmore County between Bliss and Glens Ferry

PWS Contact Name: K.C. Deurig is DO. Christopher Scott Nichols is PWS contact.

PWS Contact Phone: 208-724-1772 (Christopher)

PWS email: None given on PIFF form.

Type of Assistance Needed: Capacity/production and operations and maintenance.

Description: This PIFF was from 5/22/2017 but due to a clerical error it was received late. Well #2 has low production capacity. Booster pump #1 needs to be replaced with a pump of the correct size. The bearings on booster pump #2 need to be replaced. All technical assistance boxes check on PIFF.

Progress: Adrianna spoke to Christopher Scott Nichols over the phone on October 5, 2017. She went over the PIFF form with him and asked if each item had been taken care of. Christopher informed her that booster pump #1 was replaced and the bearings on booster pump #2 were replaced. Low production on well #2 is longer an issue and they don't need any help at this time. Adrianna explained some of the services IRWA offer and encouraged them to reach out if they needed anything in the future. 10/5/2017

Status: Closed

Date Added: Referral received from Barbara Jones on 8/18/2017

Date Completed: 3/12/2018

PHD Contact: Cassandra Lemmons

PWS Numbers/Name: Intermountain Christian Camp PWS#5130003

Location: Camas County, north of Fairfield

PWS Contact Name: Cecil Swenson

PWS Contact Phone: 208-358-6439

PWS email: iccfairfield@gmail.com

Type of Assistance Needed: Sampling, rule education, distribution system.

Description: Need a smooth nosed sampling tap and a sample site plan. Boxes checked for training and technical assistance.

Progress: Adrianna spoke with Cecil on the phone on October 5, 2017. They discussed how to fill in the sampling site plan and where to find parts for the system, including the smooth nosed sample tap. Adrianna sent Cecil an email with a link to DEQ's RTRC resources page and explained what material was available to him if he needed it, including sampling videos. Adrianna sent an email to IRWA Drinking Water Circuit Rider Bill Hays requesting he call Cecil to provide more detailed information on some pending items identified in the Sanitary Survey. Adrianna will check back following Bill's discussion with Cecil. 10/5/2017

Bill Hays worked with Cecil over the phone regarding his issues with the treatment and distribution system. At this time Cecil requests no further assistance. 3/12/2018

Status: Closed

Date Added: Referral received from Barbara Jones on 9/29/2017

Date Completed: 11/9/2017

DEQ Contact: Elizabeth Braker

PWS Numbers/Name: Nez Perce Water System PWS#2310005

Location: Lewis County, outside Lewiston

PWS Contact Name: Craig Cardwell

PWS Contact Phone: 208-937-2652

PWS email: None given on form.

Type of Assistance Needed: Operations and maintenance.

Description: No significant deficiencies. Well cap needs seal for Well #4. Boxes checked for financial assistance and training assistance.

Progress: Adrianna visited with Tote Lopez and Jason Vangen on November 9th and discussed the PIFF with them. They do not need any assistance at this time. They are familiar with IRWA and work with the Association often. 12/3/2017

Status: Closed

Date Added: Referral received from Barbara Jones on 9/29/2017

Date Completed: 11/7/2017

PHD Contact: Cassandra Lemmons

PWS Numbers/Name: Magic Valley Speedway PWS#5420076

Location: Twin Falls County

PWS Contact Name: Eddy McKean

PWS Contact Phone: 208-280-4448

PWS email: mvpseddy@yahoo.com

Type of Assistance Needed: Operations and maintenance.

Description: Well is 12 inches above grade. Pressure tank for concession stand is corroded. Box for technical assistance was checked on form.

Progress: Adrianna spoke with Eddy McKean on 11/7/2017. The well has been cleared out and now meets Idaho standards. The system is shut down for the winter and will be back online in April. Eddy will be replacing the pressure tank over the winter. They do not need any further assistance at this time.
11/7/2017

Status: Closed

Date Added: Referral received from Barbara Jones on 10/6/2017

Date Completed: 4/20/2018

PHD Contact: Jamie Barton

PWS Numbers/Name: Ashley Estates Water Association PWS#1280273

Location: Kootenai County, northeast of Rathdrum

PWS Contact Name: Dan Heitstuman

PWS Contact Phone: 509-413-8072

PWS email: veronica@hhcoffeecompany.com

Type of Assistance Needed: Storage/capacity.

Description: Root intrusion into storage tank. Gaskets needed on storage tank access lids. Screen on outside of tank vent needs be replaced.

Progress: Adrianna left a voicemail for Daniel on 11/7/2017.

Adrianna spoke with Daniel on the phone on 4/20/2018. The screen on the storage tank vent has been replaced and the root intrusion into the storage tank has been taken care of. The main issue Ashley Estates is having is in regards to capacity. They usually run out of water for a period of time each day during the summer months. They are looking for funding to address this issue. Adrianna did some research and sent Daniel an email with contact information and details regarding lending agencies.
4/20/2018

Status: Closed; no response

Date Added: Referral received from Barbara Jones on 10/6/2017

Date Completed: 3/12/2018

PHD Contact: Trina Burgin

PWS Numbers/Name: Town and Country Mobile Home Park PWS#6060085

Location: Bingham County, west of Blackfoot

PWS Contact Name: Steven Ugaki

PWS Contact Phone: 208-390-9006

PWS email: sugaki@peoplepc.com

Type of Assistance Needed: Training, financial assistance.

Description: No significant deficiencies. Boxes checked for training and financial assistance.

Progress: Adrianna left a voicemail for Steven on 11/7/2017.

Adrianna left another voicemail for Steven on 1/25/2018 offering assistance. 3/12/2018

Status: Closed; no response

Date Added: Referral received from Barbara Jones on 11/3/2017

Date Completed: 3/12/2018

PHD Contact: Jamie Barton

PWS Numbers/Name: Seasons Road Water Assn PWS#1280171

Location: Kootenai County, north of Rathdrum

PWS Contact Name: Brad Corbit

PWS Contact Phone: 208-661-8825

PWS email: bcorbit@gmail.com

Type of Assistance Needed: "Yes" box checked at bottom of PIFF but no further information given.

Description: No significant deficiencies.

Progress: Adrianna left a voicemail for Brad on 11/7/2017.

Adrianna left another voicemail for Brad on 3/12/2018 offering assistance.

Status: Closed; no response

Date Added: Referral received from Barbara Jones on 11/3/2017

Date Completed: 4/20/2018

PHD Contact: Cassandra Lemmons

PWS Numbers/Name: Camp Tawakani PWS#5420008

Location: Twin Falls County,

PWS Contact Name: J.R. Wrobel

PWS Contact Phone: 208-212-6965

PWS email: none

Type of Assistance Needed: Operations and maintenance.

Description: Fire girls camp. All boxes for technical assistance checked except for operator training. Need to replace conduit on well head, install raw water sample tap and overflow on storage tank, and method to prevent excessive pressure/pressure gauge.

Progress: Adrianna left a voicemail for J.R. on 11/7/2017. Adrianna left another voicemail for J.R. on 4/20/2018 offering assistance.

Status: Closed

Date Added: Referral received from Barbara Jones on 11/24/2017

Date Completed: 4/20/2018; updated 5/21/2018

PHD Contact: Jamie Barton

PWS Numbers/Name: Lacon Water Co Op PWS# 1280108

Location: Kootenai County on the east side of lake CDA

PWS Contact Name: Clint Townsend

PWS Contact Phone: 208-669-0440

PWS email: none given

Type of assistance requested: System Capacity, O & M.

Description: Root intrusion on storage tank must be addressed. Technical assistance boxed was checked.

Progress: Adrianna left a voicemail for Clint on 11/27/2017.

Adrianna spoke with Clint on 4/20/2018 regarding the water system. He said they were in the process of digging up the storage tank and repairing the root intrusion. They had to wait until snow was gone and the ground was thawed. Adrianna explained the resources and assistance IRWA could provide, and Clint said he would call if they ran into any trouble in digging out and repairing the tank. No further help was needed at this time. 4/20/2018

*Updated on 5/21/2018: Clint called Adrianna on 5/21/2018 and requested information on acceptable material/substance to seal up the exterior of the storage tank after removing the roots. He wanted to be sure to use a product that was safe and would be approved by the Health District. Adrianna called Drinking Water Circuit Rider Kevin McLeod, who was in the area that week, and passed along the referral. Kevin called Clint directly to discuss materials and where to obtain them.

Status: Closed

Date Added: Referral received from Barbara Jones on 12/8/2017

Date Completed: 5/2/2018

DEQ Contact: Justin Walker

PWS Numbers/Name: City of Stites PWS#2250060

Location: Idaho County

PWS Contact Name: Paul Jones

PWS Contact Phone: 208-935-5621

PWS email: pjstitesct@gmail.com

Type of assistance requested: Technical and Sampling

Description: Tighten cap on new well, screen air relief at new well vault, need 24 mesh screen on pump to waste line, replace west storage tank lid. Sample Site Plan for RTCR missing.

Progress: Adrianna visited Paul Jones in Stites on February 13th, 2018. At that time the well cap on the New Well #1 had been tightened properly. The West Storage Tank is still in significant disrepair, has holes in the roof, and is structurally unsound. This is the glaring issue at this time and probably the largest challenge for the City. Mismanagement of previous grant funding prevented Stites from repairing both the East and West Storage Tank as was planned. Adrianna provided guidance on the significant deficiencies and discussed starting a Source water Protection Plan to help protect Stites' drinking water in the long term. Adrianna provided Paul with a Sample Site Plan template for the RTCR. She also sent him some study material for his licensing exam.

Drinking Water Circuit Rider Kevin McLeod visited Paul during the last week of April and provided advice on chlorination. The Artesian Well chlorinator was having some problems and the New Well still needs a chlorinator installed. Adrianna spoke with Justin Walker at the Lewiston Regional DEQ Office on 5/2/2018. Justin affirmed that at this time Stites has been meeting all the deadlines outlined in their consent order. They have also submitted engineering specs for the New Well's chlorinator and the roof for the West Storage Tank, and these have been approved. Paul may need some assistance in locating the isolation valve for the West Storage Tank, and IRWA can assist with that task. IRWA maintains regular contact with Stites each month and will continue to do so. 5/2/2018

Status: Closed (no response)

Date Added: Referral received from Barbara Jones on 12/22/2017 (and 1/5/18)

Date Completed: 7/31/2018

PHD Contact: Cassandra Lemmons

PWS Numbers/Name: Hagerman Christian Center PWS#5240038

Location:

PWS Contact Name: Mike Winther

PWS Contact Phone: 208-539-6498

PWS email: billywinther@cablone.net

Type of assistance requested: Financial and Technical

Description: No pressure gauge and no isolation gauge on tank. Boxes checked for financial and technical assistance.

Progress: Adrianna left a voicemail for Mike on 2/5/2018. Courtnie left a voicemail for Mike on 7.25.18

Status: Closed

Date Added: Referral received from Barbara Jones on 12/22/2017

Date Completed: 2/28/2018

DEQ Contact: Jesse Bennett

PWS Numbers/Name: City of Preston PWS#6210014

Location: SE Idaho

PWS Contact Name: John Balls

PWS Contact Phone: none given

PWS email: johnballs@prestonidaho.net

Type of assistance requested: None identified

Description: None given.

Progress: Adrianna sent an email to John Balls on 1/2/2018. John said he had a few questions and would call Adrianna to discuss. 1/2/2018

Adrianna checked back in with John on 2/5/2018 after she didn't hear from him. He had worked with Steve Smith at Pocatello DEQ to resolve the issue and has no further questions at this time. 2/28/2018

Status: Open

Date Added: Referral received from Barbara Jones on 1/5/2018

Date Completed:

PHD Contact: Jamie Barton

PWS Numbers/Name: West Branch Bible Church PWS#1090262

Location: Priest River, Bonner County

PWS Contact Name: Brandon Runckel

PWS Contact Phone: 208-448-0603

PWS email: none given

Type of assistance requested: Financial, system operation, source water protection

Description: Future potential deficiencies include well seal is not vented and need some sealing around well. Well is not assessed.

Progress: Adrianna left a voicemail for Brandon on 2/5/2018. <called Brandon, system is really struggling with issues to their well (stopped working over the weekend). Replaced everything including pressure tank. They can use indoor plumbing, but when they use a spigot the water pressure drops within two minutes. Not sure how to flush chlorination out of the system with such low water pressure. Courtnie sent his contact information along to Paul Sifford to drop in and diagnose the problem. 7.25.18><Paul visited the system and diagnosed the problem. He recommended that the system call IRWA-Support Services to have them conduct a drawdown and recovery test on the well, as well as sound the well. They will be setting up a meeting to finish this in the future. IRWA will continue to work with the system and Jamie Barton in regards to the other issues identified. 7.31.18>

Status: Closed

Date Added: Referral received from Barbara Jones on 1/5/2017

Date Completed: 3/12/2018

PHD Contact: Cassandra Lemmons

PWS Numbers/Name: Tracy General Store PWS#5160067

Location: Cassia County, Almo

PWS Contact Name: Kent Durfee

PWS Contact Phone: 208-430-2683

PWS email: durffam@atcnet.net

Type of assistance requested: Financial, training, technical, system operation, source water protection. No significant deficiencies.

Description: No assessment on well. Pending deficiencies: broken plastic plug on well, well that needs to be abandoned, well head is less than 18' above grade.

Progress: Adrianna spoke with the Durfee family on 3/12/2018. They have significant problems with their water source. The main issue is that they are diverting water from a private source for their store, as per an agreement made with the former owner and the Tracy family. A new source is likely going to be required. Adrianna offered to help find funding. She sent an email to Cassandra Lemmons and will continue to work with the Durfees as needed during this project. 3/12/2018

Status: Closed

Date Added: Referral received from Barbara Jones on 1/5/2017

Date Completed: 3/12/2018

PHD Contact: Carolee Cooper

PWS Numbers/Name: East Shore Subdivision PWS#6040002

Location: Bear Lake County, east side of Bear Lake

PWS Contact Name: Robert Balling

PWS Contact Phone: 435-881-2331

PWS email: bobballing@yahoo.com

Type of assistance requested: O & M and financial.

Description: Replace seal on tank lid. Requested financial assistance on form. Also need to find out last time tank was cleaned and address.

Progress: Adrianna spoke with Robert on 3/12/2018. The seal on the tank has been replaced, the tank has been cleaned, and documentation has been sent to Carolee (Robert said he emailed her pictures). Robert requested some financial assistance for a fencing project around their sewer system. Adrianna emailed Robert contact information for funding institutions on 3/12/2018.

Status: Closed (limited response)

Date Added: Referral received from Barbara Jones on 2/9/2018

Date Completed: 7/31/2018

PHD Contact: Cassandra Lemmons

PWS Numbers/Name: Anderson Campground PWS#5270003

Location: Jerome County, exit 182 off I-84

PWS Contact Name: Amanda Carter

PWS Contact Phone: 801-836-1892

PWS email: jabmc1997@gmail.com

Type of assistance requested: Operations and maintenance.

Description: Well cap loose, conduit broken on one of the wells. Sample tap is not smooth nosed. Requesting other technical assistance.

Progress: Adrianna left a voicemail for Amanda on 3/12/2018. Adrianna spoke with Amanda on 5/8/2018 and inquired about the status of the repairs. Amanda said her husband was just getting started on fixing the well cap and conduit since the weather has warmed up. Adrianna explained what IRWA does and how they can help small water systems, and encouraged Amanda to call with any questions or issues that arise during the repairs. Amanda said she would call back and inform Adrianna on their progress within the next few days. 5/8/2018. Courtne called and left a voicemail for Amanda on 7.25.18

Status: Closed

Date Added: Referral received from Barbara Jones on 3/2/2018

Date Completed: 3/12/2018

PHD Contact: Jacob Ward

PWS Numbers/Name: Train Station Pizza PWS#5420055

Location: Twin Falls County, slightly west of Buhl.

PWS Contact Name: Kelly Danielson

PWS Contact Phone: 208-543-8501

PWS email: kelly@trainstationpizza.com

Type of assistance requested: O & M/treatment/sampling/rules and regs – asking for correction specified in CAP.

Description: Need raw water sample tap. Need to provide plans and specs for UV installation. All technical assistance boxes checked.

Progress: Adrianna called and spoke with Kelly on the phone. They have hired an engineer for the UV filtration and are working with Cassandra out of District Health to make sure they are doing all that is needed. They do not need any further assistance at this time. 3/12/2018

Status: Closed

Date Added: Referral received from Barbara Jones on 3/2/2018

Date Completed: 4/20/2018

DEQ Contact: Brandon Lowder

PWS Numbers/Name: Warm Springs Golf Course PWS#4010156

Location: Ada County, near table rock and old state penitentiary

PWS Contact Name: Scott McGeachin

PWS Contact Phone: 208-994-1633

PWS email: none provided

Type of assistance requested:

Description: Need an engineering review of modifications and new filters. Need backflow prevention device on outside frost-free hydrant. "Technical assistance" box checked (leak detection line location, etc.)

Progress: Adrianna left a voicemail for Scott on 3/12/2018. Adrianna spoke with Scott on 4/20/2018 and he informed her that Warm Springs is now connected to SUEZ water system. Scott relayed that SUEZ was ensuring everything was taken care of. 4/20/2018

Status: Closed

Date Added: Referral received from Barbara Jones on 4/6/2018

Date Completed: 4/20/2018

DEQ Contact: Justin Walker

PWS Numbers/Name: City of Kooskia PWS#2250032

Location: Idaho County, confluence of Middle and South Forks of the Clearwater River

PWS Contact Name: Carlos Martinez

PWS Contact Phone: 208-935-8260

PWS email: none given

Type of assistance requested: Operations and Maintenance

Description: No significant deficiencies. Potential violations pending include needing a pressure gauge and check valve on Well #3, labelling the chlorine tank, and needing a smooth nose finished water tap in well house #4.

Progress: Adrianna spoke to Carlos on the phone on 4/20/2018. The pending violations have all been resolved, except for the check valve on Well #3. According to Carlos this will involve a major project to fix because there is no type of pump house infrastructure for Well #3 and the check valve is actually underground. Kooskia is planning to address this issue with their engineering firm following completion of their current wastewater system upgrade. Adrianna mentioned the usual routes for funding including RD, DEQ, and the NRWA Loan Program. Carlos will contact IRWA with any other questions. 4/20/2018

Status: Closed

Date Added: Referral received from Barbara Jones on 4/6/2018

Date Completed: 5/21/2018

DEQ Contact: Richard Lee

PWS Numbers/Name: Meadows at West Mountain PWS# 4430103

Location: Valley County, directly west of Donnelly

PWS Contact Name: Larry Mangum

PWS Contact Phone: 208-315-0991

PWS email: larry.mangum@yahoo.com

Type of assistance requested: Capacity development, public health, disinfection, operations and maintenance.

Description: Need an operator certified for Treatment I. Need a cross connection control plan. Need assistance with chlorine rate. Need a double check valve in the well house.

Progress: Adrianna called and left a voicemail for Larry on 4/20/2018 offering her assistance. Adrianna left another voicemail for Larry on 5/8/2018.

Adrianna heard back from Larry on 5/18/18. He was in the process of fixing all the issues and already had a cross connection control plan in place. He requested some practice material in order to prepare for his Treatment Level 1 exam. Adrianna emailed him some practice tests on 5/21/2018.

Status: Closed

Date Added: Referral received from Barbara Jones on 4/6/2018

Date Completed: 4/9/2018

DEQ Contact: Elizabeth Braker

PWS Numbers/Name: City of Juliaetta PWS# 2290018

Location:

PWS Contact Name: Wendy Sandino/Josh Luscombe

PWS Contact Phone: 208-276-7791

PWS email: j.luscombe@tds.net

Type of assistance requested: Operations and maintenance, public health.

Description: Need overflow screens on both storage reservoirs and need to fix a bullet hole in the lower tank. pH buffer is expired, need to renew. Need a threaded tap and AVB in water treatment plant. Need a cross connection plan. Also interested in financial assistance.

Progress: Adrianna emailed operator Josh Luscombe on 4/9 regarding the PIFF. Josh responded and informed her that they have resolved every issue except the Cross Connection Control Plan. Adrianna sent Josh a CCCP draft/template, a pdf of a backflow prevention/CCCP brochure they may distribute to their customers and the "Cross Connection Control Fact Sheet from DEQ explaining the requirements of a CCCP. 4/9/2018

Status: Closed

Date Added: Referral received from Barbara Jones on 4/20/2018

Date Completed: 4/30/2018

DEQ Contact: Carolee Cooper

PWS Numbers/Name: City of Atomic City PWS# 6060003

Location:

PWS Contact Name: Tony Bandiera Jr

PWS Contact Phone: 208-681-8442

PWS email: atomiccitypwd@gmail.com

Type of assistance requested: Operations and Maintenance and financial

Description: 6 significant deficiencies identified in 3/15/2018 sanitary survey. CAP required. Financial assistance requested.

Progress: Adrianna spoke with Tony on the phone on 4/20/2018. Tony said that almost all of the sanitary survey deficiencies have been resolved except for the flushing schedule. He requested some technical assistance in identifying a proper flushing technique and schedule since Atomic City does not have fire hydrants at this time. They anticipate having them installed in the near future. He also would like some information on available funding to install fencing around Well #2.

Adrianna sent an email to IRWA Drinking Water Circuit Rider Jeff Cook on 4/20 detailing her conversation with Tony and his requests. Jeff will schedule an onsite meeting with Tony and address his concerns. 4/20/2018

Jeff Cook spent an hour and a half in Atomic City on April 30th assisting Tony. They looked at the fencing site for Well #2 and discussed bids and financial assistance. Jeff reviewed the flushing procedure Tony was using and gave him some advice on how to properly flush dead ends. Tony also needed help with an O & M Manual, so Jeff sent him some templates following his visit. He also emailed some resources and contact information for funding agencies. IRWA will continue to work with Atomic City during regular regional visits, trainings, and requests. 5/1/2018

Status: Closed

Date Added: Referral received from Barbara Jones on 5/4/2018

Date Completed: 5/8/2018

PHD Contact: Jamie Barton

PWS Numbers/Name: Mountain Estates Water System PWS#1090290

Location: Bonner County

PWS Contact Name: Bob Hatfield

PWS Contact Phone: 208-448-4324

PWS email: rhatfield@wildblue.net

Type of assistance requested: Operations and Maintenance, Source Protection/Public Health

Description: Tighten well cap and check seal. Well house flooded, need to direct drainage away from well head. Need vent in well house. Need smooth nosed sample tap. Requested help for training and technical assistance.

Progress: Adrianna spoke with Bob on the phone on 5/8/2018. He informed her that the flooding in the well house was fixed. He installed a drain and the sump pump discharge piping is repaired. He inquired about a source for ordering smooth nosed sample taps. Adrianna sent Bob an email with a list of places and contact information to obtain the tap. 5/8/2018

****Status: Closed**

Date Added: Referral received from Barbara Jones on 5/18/2018

Date Completed: 7.2.18

DEQ/PHD Contact: Michael Stambulis (DEQ), 208-373-0123

PWS Numbers/Name: Covert Water Users Association, PWS# 3140024

Region/Location: Canyon County

PWS Contact Name: Kurt Flora

PWS Contact Phone: 208-467-7076

PWS Email: kurtflora72@gmail.com

Type of assistance requested: financial, training, technical assistance, system operation, SWP. <Called Michael at DEQ 6/4/18: Survey went fine, but some concerns were the age of the system and that the

below-grade construction will soon impact the system. System added VFDs to well control, leaving their hydroneumatic tanks still in place. Not sure that the system is draining the stagnant emergency tanks every 6 months as recommended. Assoc. president/back-up operator Kurt Flora (not certified) wants to pursue as much knowledge as he can to earn his certification and be more effective in system operation.>

Description: No recorded significant deficiencies or potential violations.

Progress: <Followed up with Kurt, at this time there were no major concerns we could assist with. Their system requires a Preliminary Engineering Inspection and that is their focus. They receive our training updates and Water Gram, and are very aware of IRWA's presence. I told him to give us a call about potential financial help with updating their system once they get past this Preliminary Engineering Inspection issue. Source Water Protection Specialist Melinda Norris and Training Specialist Barbi Burke both work regularly with Covert and with Kurt. They will continue to do so and will be sure to check in regarding funding, long term sustainability, and operator certification. 6.18.18>

****Status: Closed**

Date Added: Referral received from Barbara Jones on 5/18/2018

Date Completed: 6.18.18

DEQ/PHD Contact: Trina Burgin (DEQ) 208-236-6160

PWS Numbers/Name: City of Soda Springs, PWS# 6150017

Region/Location: Caribou county

PWS Contact Name: Alan Skinner

PWS Contact Phone: 208-547-2600

PWS Email: askinner@silvensfan.com *

Type of assistance requested: Financial, training, technical assistance, system operation, SWP

Description: No significant deficiencies or potential violations

Progress: <Left voicemail for Trina 6/4/18> <contacted Trina, system is doing fine. They are drilling a new well to replace a spring as their water source, but had no concerns. Looks like just desiring information about our organization. 6.18.18> <Called Alan, said there was nothing to assist with. They receive our training information and water gram, just wanted to have IRWA to call in the future if there became a need. IRWA will direct Circuit Riders to visit regularly with operators in Soda Springs when they are in the region for system visits. 6.18.18>

****Status: Closed**

Date Added: Referral received from Barbara Jones on 6/4/2018

Date Completed: 7.3.18

DEQ/PHD Contact: J. Merrill Hemming (EIPH), 208-533-3129

PWS Numbers/Name: NUR Water Association, PWS# 7100061

Region/Location: Bonneville County

PWS Contact Name: Tom Lugo or J.D. Byerly

PWS Contact Phone: 208-520-5478 or 208-221-1772

PWS Email: Not provided

Type of assistance requested: Financial assistance (finding loans and grants, and capital improvement planning)

Description: South Well has a loose well cap, backflow devices have not been checked. Both wells are lacking flow meters. North Well is not raised to 18 inches. Isolation valves are missing from the pressure tanks. <called Merrill 6/4/18: Merrill stated that the system has a competent, strong certified Level IV Operator. Merrill feels the operator should be able to resolve the inadequacies mentioned in the PIFF, except those that require large financial reserves. System is old and accessing the well vault is dangerous due to underground confined space. System would like to find financial assistance for updating their

system. Options include either raising the shed and pump house to ground level or renovating to ensure safer accessibility.

Progress: <Left Tom a voicemail 6.18.18><Called Tom about potential resources for funding changes in his system. Nur Water is a private system, so I emailed him some information regarding funding options and told him to call if he has any additional questions. 7.3.18>

****Status: Closed**

Date Added: Referral received from Barbara Jones on 6/4/2018

Date Completed: 7.2.18

DEQ/PHD Contact: Jamie Van Dyke (EIPH) 208-533-3131

PWS Numbers/Name: Purser Industrial Park, # 7260089

Region/Location: Jefferson County

PWS Contact Name: Terry Cardwell

PWS Contact Phone: 208-360-7464

PWS Email: terrych20@gmail.com

Type of assistance requested: checked "yes", but not specified

Description: Potential violation: "Well is not protected"

Progress: <Left voicemail for Jamie 6/4/18> <left voicemail for Jamie 6.18.18> Called operator, does not have anything currently that needs assistance. Working on SWP and may want help with that in the future. No longer an IRWA member – do I need to be to get assistance? (No, so I emailed him the benefits, but told him it is not required) Operator currently has 16 other clients but is "retired."
<7/2/18>

****Status: Open**

Date Added: Referral received from Barbara Jones on 6/15/18

Date Completed:

DEQ/PHD Contact: Sarah Kelsay, 208-373-0302

PWS Numbers/Name: Bogus Basin Mountain, #4080003

Region/Location: Boise County

PWS Contact Name: Daniel See

PWS Contact Phone: 208-861-5567

PWS Email: n/a

Type of assistance requested: technical assistance, requested leak detection help

Description: significant deficiencies: turbidity meter needs to change location, screen replaced on flow to waste on pump house for clear well, move the overflow pipe on the storage tank, replace vent screen on 12,000 and 25,000 storage tanks, and put a cover the wooden boards in the clear well. No potential violations.

Progress: <Sarah said the only concern the system had was leak detection regarding assistance. 7.10.18> <called Daniel. Said Pipeline came up to take a look and didn't have much to do. They have over 1200 feet of pipe, and he said they were going to start "digging holes" for better access to pipes. Told him I would have our new circuit rider come visit when he gets started. 7.18.18>

****Status: Closed**

Date Added: Referral received from Barbara Jones on 6/29/18

Date Completed:

DEQ/PHD Contact: Brent W. Copes, 208-860-5469

PWS Numbers/Name: Cougar Mountain Lodge, PWS# 4430016

Region/Location: Valley County

PWS Contact Name: Patrick Willis, 208-559-3675

PWS Contact Phone: 208-559-3675

PWS Email: willisp1972@gmail.com

Type of assistance requested: financial, training, technical, system operation, SWP

Description: No significant deficiencies, no violations

Progress: <called Brent, operator is very new owner of lodge with minimal experience. Currently having issues with iron in the water, needs assistance. 7.3.18> <contacted Patrick, looking to renovate or upgrade system, definitely wants help with iron in water, interested in IRWA training and materials. I gave him IRWA Circuit Rider Paul Sifford's number and emailed Paul to let him know they are requesting assistance. Sent them the information for private system options of funding, signed them up for our newsletter and water gram subscription, and provided information on IRWA resources and training. 7.3.18>

****Status: Open**

Date Added: Referral received from Barbara Jones on 6/29/18

Date Completed:

DEQ/PHD Contact: Jesse Bennett, 208-236-6160

PWS Numbers/Name: Sunbeam Water #6390007

Region/Location: Power County

PWS Contact Name: R. Michael Parrish

PWS Contact Phone:

PWS Email:

Type of assistance requested: financial

Description: No responsible charge water operator, well casing not vented, need ventilation at pump house, seal on water storage, manhole is not 24" for storage, O & M Manual

Progress: <called Jesse, system has had long-standing deficiencies and is under a Compliance Agreement Schedule. At the time of inspection the system had no operator and if they have not filled the position, they will (or already have been) fined. 7.10.18> <called Michael Parrish, they have done some reaching out for water operators with no luck. Courtnie emailed him the link to the DEQ Water Contractors search engine, as well as provided the contact for three operators within an hour's drive from his system. IRWA will send Circuit Rider to follow up on other significant deficiencies and check back in. 7.10.18>

****Status: Open**

Date Added: Referral received from Barbara Jones on 6/22/18

Date Completed:

DEQ/PHD Contact: Trina Burgin 208-236-6160

PWS Numbers/Name: City of Dayton, # 6210004

Region/Location: Franklin County

PWS Contact Name: Richard Reeder

PWS Contact Phone: 208-766-3256

PWS Email: r_s_reeder@yahoo.com

Type of assistance requested: financial, training, technical, system operation, SWP

Description: vent screens, lid gaskets, all boxes checked for technical assistance.

Progress: <called Trina. System has no CCCP in place, but DEQ sent along an example draft. Additionally, system needs to apply for a waiver for their source water spring, as it is not enclosed with a fence.7.3.18> <called Richard. Still hasn't completed CCCP but most likely other things have taken

priority; believes waiver issue comes from the person who initially handled it leaving their position. Spring is too large to be fenced, system has taken precautions to prevent contamination. Recommended calling Aaron Bueller, their water engineer, to see if assistance is needed for waiver process. System receives IRWA materials and information, will call if wants assistance. 7.10.18> <Courtne sent the information along to Melinda Norris (SWP) and Jeff Cook (DW Circuit Rider) to provide assistance for both of these areas at the request of Aaron Beutler, the water system engineer. IRWA will check in with Jeff and/or Melinda following a visit to the system. 7.10.18>

*****Note: Entries marked with double asterix were PIFFs addressed and tracked by IRWA staff member Courtne Carter.***

**ATTACHMENT 2 - Technical Assistance Provided to Small Water Systems
By Rural Community Assistance Corporation (RCAC)**

SFY2018 – Rural Community Assistance Corporation (RCAC) ID DEQ Technical Assistance List and Tracker

(Updated 3/30/2018)

RCAC Contacts:

Carol Cohen

Regional Manager – Community and Environmental Services

Cell: (801) 505-8412

ccohen@rcac.org

Ty Long

Rural Development Specialist – Environmental

tlong@rcac.org Cell: 208-809-1668

Matt Kennedy

Rural Development Specialist - Environmental

Cell: 385-335-0369

mkenedy@rcac.org

Instructions:

- RCAC should call the identified DEQ/Health District contact.
- The DEQ/Health District will provide RCAC some background information regarding the identified PWS(s) and its operator/owner.
- The DEQ/Health District will contact the PWS owner/operator and let them know that RCAC will be contacting them to arrange technical assistance.
- RCAC will provide technical assistance and report back to the DEQ/Health District as to what technical assistance was provided and the subsequent outcome.
- This document should be updated to track technical assistance and returned to Barbara Jones (barbara.jones@deg.idaho.gov)

1. **DEQ Contact:** Jami Delmore – 208-455-5403

PWS Numbers/Name: ID3140068/Valley View Water

Contact: Bret Helle

Phone: 208-695-1534

Email: brethelle@ymail.com

Technical Assistance needed: Valley View is an older system and the infrastructure is starting to fail. Valley View reached out to RCAC in an effort to seek assistance with connecting the Nampa City Water System.

UPDATE: RCAC met with Bret Helle on Jan. 29, 2018 to discuss the needs of the system. Their current issue is system documentation to establish authority over the water. At this time, the system is not a legal entity and does not have governing By-laws. They do have older Articles of Incorporation that must be changed. Mr. Helle is submitting the legal entity documentation to the State Secretary's office and RCAC will be working with them to draft some by-laws.

5. **PWS Numbers/Name:** ID6030038/McCammon

Contact: Rich Pierson – Public Works Director/operator

Phone: 208-251-2683

Email: mccammonchief@gmail.com

Technical Assistance needed: Every 3 years, McCammon is required under USDA to update their ERP and VA for their water system since they are an existing borrower.

UPDATE: **This work is currently being completed under USDA TECH funding.** McCammon was unable to find their most current ERP and VA so they are working through the USDA approved template. RCAC has provided assistance with the completion of the plan and the Public Works Director is currently finishing the final draft to present to the City Council.

6. **PWS Numbers/Name:** ID6210007/ Franklin

Contact: Tami Midzinski – City administrator

Phone: 208-646-2300 ext. 2

Email: cityadmin@franklinidaho.org

Technical Assistance needed: Franklin is currently considering a water construction project to upgrade their system. RCAC will be completing a rate analysis for the city to determine appropriate operating and reserve costs.

UPDATE: This work is currently being completed under USDA TECH funding.

RCAC has been able to gather a majority of the documentation in order to complete the analysis and will be holding a board training workshop in an effort to determine rates that would both meet the revenue requirements as well as make the rates affordable.

6. PWS Numbers/Name: ID6210019/ Weston

Contact: Sharon Kropf, City Clerk

Phone: 208-747-3265

Email: westoncity68@yahoo.com

Technical Assistance needed: Weston is currently considering a water construction project to upgrade their system. RCAC will be completing a rate analysis for the city to determine appropriate operating and reserve costs.

UPDATE: This work is currently being completed under HHS funding. RCAC held a board workshop with the community on Dec. 14th where rates were determined. However, more principal forgiveness was available than expected which will lower their rates considerably. RCAC will present the new recommended rates to the board on April 4th at their monthly board meeting.

7. PWS Numbers/Name: ID5270007/ Hazelton

Contact: Lorna West, City Clerk

Phone: 208-829-5415

Email: hazeltoncityclerk@gmail.com

Technical Assistance needed: Hazelton is currently considering a water construction project to upgrade their system. RCAC will be completing a rate analysis for the city to determine appropriate operating and reserve costs.

UPDATE: This work is currently being completed under USDA TECH funding. RCAC has been able to gather much of the data that is needed for the rate analysis and will be meeting with staff on April 5th to gather the final information needed to complete the study.

9. PWS Numbers/Name: ID1400089/ Central Shoshone Water District

Contact: Jolene Rohrs, Office Manager

Phone: 208-786-9141

Email: officemgr@cscwaterdistrict.com

Technical Assistance needed: Central Shoshone County Water District is currently considering a water construction project to upgrade their system. RCAC will be completing a rate analysis for the city to determine appropriate operating and reserve costs.

UPDATE: This work is currently being completed under USDA TECH funding. This project is nearly completed. RCAC held a board workshop on March 27th and was able to come to a rate recommendation.

1. PWS Numbers/Name: ID6060004/ Basalt

Contact: Larry Wagoner, Mayor

Phone: 208-840-0306

Email: N/A

Technical Assistance needed: Every 3 years, Basalt is required under USDA to update their ERP and VA for their wastewater system since they are an existing borrower.

UPDATE: This work was completed under USDA TECH funding. Basalt was unable to find their most current ERP and VA so they are working through the USDA approved template. RCAC provided assistance with the completion of the plan and the information has been turned in to USDA. **COMPLETED**

2. PWS Numbers/Name: ID6030012/ Downey

Contact: Tony Hancock, Operator

Phone: 208-317-0338

Email: tony@downeyidaho.us

Technical Assistance needed: Every 3 years, Downey is required under USDA to update their ERP and VA for their water system since they are an existing borrower.

UPDATE: This work was completed under USDA TECH funding. Downey was able to find their most current ERP and VA and have worked to update all relevant contact information as well as any procedure changes that may have occurred in the last few years. RCAC provided assistance with the completion of the plan and the information has been turned in to USDA. **COMPLETED**

3. PWS Numbers/Name: ID6030030/ Lava Hot Springs

Contact: Canda Dimick, City Clerk

Phone: 208-776-5820

Email:

Technical Assistance needed: Every 3 years, Lava Hot Springs is required under USDA to update their ERP and VA for their water system since they are an existing borrower.

UPDATE: This work is currently being completed under USDA TECH funding. Lava Hot Springs was unable to find their most current ERP and VA so they are working through the USDA approved template. RCAC has provided assistance with the completion of the plan and the lead operator is currently finishing the final draft to present to the City Council. **COMPLETED**

4. DEQ Contact: Jami Delmore - 208-455-5403

PWS Numbers/Name: ID3140130/Mangum Heights Subdivision

Contact: Bret Helle – Board President

Phone: 208-695-1534

Email: patrickcalley@msn.com

Technical Assistance needed: Mangum Heights needs assistance with a new RTCR Site Sampling Plan and completion of their Cross Connection Plan, as identified from their last sanitary survey.

UPDATE: This work is currently being completed under HHS funding. Mangum Heights has completed their RTCR SSP. The issue now is that the system is not a legal entity. The community is considering if this is something they want to proceed with. **COMPLETED**

5. DEQ Contact: Trina Burgin - 208-236-6160

PWS Numbers/ Name: ID6060067/Rose Garden Mobile Home

PWS Contact Name: **Audra Reeves - President**

PWS Contact Phone: (208) 821-8128

PWS Contact Email: audrareeves@ymail.com

Technical Assistance needed: Rose Garden MHP is struggling to meet financial obligations to maintain the water system. Rose Garden is also in need of hiring a contract operator to meet DEQ regulations.

UPDATE: This work is currently being completed under USDA TECH funding. Rose Garden has corrected all significant deficiencies identified on the previous sanitary survey. RCAC also provided a training for board members regarding roles and responsibilities. Currently, Rose Garden is doing much better than a year ago. This past year they passed a rate increase from \$25 to \$50. This has allowed the community to procure a contract operator and to begin fixing issues within their system. Recently, the discussion has been to complete a MHI survey for future construction. Currently, the MHI for Rose Garden is likely around \$25,000/year. However, census data suggests that the MHI is over \$52,000, not making them eligible for certain federal funding. After discussions with the Board, they would not like to pursue a MHI survey at this time. COMPLETED