



State of Utah

GARY R. HERBERT  
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Department of  
Environmental Quality

Alan Matheson  
*Executive Director*

DIVISION OF DRINKING WATER  
Marie E. Owens, P.E.  
*Director*

November 14, 2018

Elliott Sheltman  
PO BOX 460627  
Leeds, UT 84746

Dear Mr. Sheltman:

Subject: **Drinking Water Sanitary Survey Results for Leeds Domestic Water Users Association, System # 27010**

I would like to thank Tyson Riding for helping in conducting this sanitary survey of your drinking water system on October 17, 2018.

The Utah Division of Drinking Water's Improvement Priority System Rule, R309-400, rates public drinking water systems. Points are assigned based on violations to the Drinking Water Rules. Points assessed during a sanitary survey will become part of the total IPS points if not corrected within the time frame specified in this report. Community systems that exceed 150 points will be rated as "Not Approved" if corrections are not made. The accompanying Deficiency Report (if applicable) shows the noted deficiencies. The point total for deficiencies from this sanitary survey is **44** points. Your IPS report is available at [waterlink.utah.gov](http://waterlink.utah.gov) and should be updated within a few days.

Enclosed are copies of the completed survey questions and resulting Deficiency Report.

Whenever a significant deficiency has been identified during a sanitary survey you must consult with the Division of Drinking Water regarding the appropriate corrective action within 30 days of being notified of that significant deficiency as specified in R309-215-16(3)(a)(vi). All significant deficiencies must be corrected within 120 days of the date of completion of the survey or the system must enter into a corrective action plan with the Division to address the significant deficiencies as specified in R309-215-16(3)(a)(v). Once the deficiency has been corrected (correction action) you must notify the Division of that correction within 30 days of the completing the correction. Failure to do so will result in a treatment technique violation as stated in R309-215-16(4)(a). Further, you must provide public notice of the violation as specified in R309-215-16(3)(a)(viii).

We encourage you to take the necessary actions to correct the noted deficiencies. Once the deficiencies are corrected, please use the enclosed IPS Deficiency Correction Notice to notify our office at [ddwips@utah.gov](mailto:ddwips@utah.gov) so that we can delete the appropriate IPS points assigned for that deficiency. Please use your water system number (UTAH27010) in all your correspondence to our office.

**Water Source Protection Plans**

As you are aware, Water Source Protection plans must be updated every six (6) years. In reviewing the source protection plans for your sources, the following are past due:

Oak Grove Spring expired December 31, 2017

Leeds Well expired December 31, 2016

El Dorado Well (inactive) December 31, 2012

Please submit updated Water Source Protection plans to the Division of Drinking Water within 30 days.

Feel free to contact me at (801)536-4498 or [grager@utah.gov](mailto:grager@utah.gov) if you have any questions or if we can be of further assistance.

Sincerely,



Gary Rager  
Environmental Scientist  
Division of Drinking Water

Enclosures:

*Sanitary Survey 2018*

cc     Jeremy Roberts, Southwest Utah Public Health Dept., [jroberts@swuhealth.org](mailto:jroberts@swuhealth.org)  
       Paul Wright, District Engineer, DEQ, [pwright@utah.gov](mailto:pwright@utah.gov)  
       Tyson Riding, [tysonriding82@gmail.com](mailto:tysonriding82@gmail.com)  
       Jennifer Yee, Rules Section, DDW, [ddwips@utah.gov](mailto:ddwips@utah.gov)  
       Tammie Allen, Rules Section, DDW, [ddwreports@utah.gov](mailto:ddwreports@utah.gov)  
       Gary Rager, Technical Assistance Section, DDW, [grager@utah.gov](mailto:grager@utah.gov)

# Sanitary Survey - Deficiency Report

PWS Number: UTAH27010

Deficiency Points: **44**

Survey Date: 10/17/2018

Survey Name: LEEDS DOMESTIC WATER  
USERS ASSOCIATION

Surveyor Email: grager@utah.gov

Sanitary Survey Category: SM

SDWIS Severity Code: Recommendation

Management and Operations | DS001 | UTAH27010 DISTRIBUTION SYSTEM

42A. Does the system have a written Emergency Response Plan? (Credit points given for "yes" answer)

Rule: R309-400-11(2)

**A written Emergency Response Plan helps to protect the quality and quantity of water available to consumers. R309-400-11(2) allows 10 credit points to be issued.**

Notes:

*THEY HAVE AN EMERGENCY RESPONSE PLAN AND IT HAS BEEN UPDATED RECENTLY*

Deficiency Points: -10

Days until points become effective on IPS: 0

SDWIS Deficiency Description: M001

CURRENT EMERGENCY RESPONSE PROGRAM

Sanitary Survey Category: SM

SDWIS Severity Code: Minor Deficiency

Cross Connection Control Program | DS001 | UTAH27010 DISTRIBUTION SYSTEM

46. Documentation of personnel trained to manage the program (COMPLETION OF DDW APPROVED BACKFLOW 101 TRAINING OR CLASS I BACKFLOW TECHNICIAN CERTIFICATION IS REQUIRED)

Rule: R309-105-12(2)(c)

**Rule requires each public water system to have a cross connection control program that includes an operator with adequate training in the area of cross connection control or backflow prevention.**

Notes:

*TYSON RIDING WILL BE TAKING CCC PROGRAM ADMINISTRATOR COURSE JAN 2019 IN HURRICANE UTAH*

Deficiency Points: 10

Days until points become effective on IPS: 0

SDWIS Deficiency Description: M005

CCC-LACKS OPERATOR TRAINING

Sanitary Survey Category: SM

SDWIS Severity Code: Minor Deficiency

Cross Connection Control Program | DS001 | UTAH27010 DISTRIBUTION SYSTEM

47. Records of hazards found, protection required and installed, enforcement actions, assembly testing etc.

Rule: R309-105-12(2)(d)

**Rule requires each public water system to have a cross connection control program that includes written records of cross connection control activities.**

Notes:

*NO DOCUMENTATION OF CROSS CONNECTION CONTROL ACTIVITY - I LEFT TEMPLATES TO BEGIN RECORD KEEPING*

Deficiency Points: 10

Days until points become effective on IPS: 0

SDWIS Deficiency Description: M006

CCC-LACKS WRITTEN RECORDS

Sanitary Survey Category: SM

SDWIS Severity Code: Minor Deficiency

Cross Connection Control Program | DS001 | UTAH27010 DISTRIBUTION SYSTEM

48. Documentation of on-going program enforcement (I.E., RECORDS OF PERIODIC HAZARD ASSESSMENTS, ANNUAL TEST REPORT, UPDATED ASSEMBLY INVENTORY, ETC.)?

Rule: R309-105-12(2)(e)

**Rule requires each public water system to have a cross connection control program that includes test history and documentation of on-going enforcement activities.**

Notes:

*NEED TO IMPLEMENT THE CCC PROGRAM*

Deficiency Points: 10

Days until points become effective on IPS: 0

SDWIS Deficiency Description: M007

CCC-LACKS ON-GOING ENFORCEMENT PLAN

Sanitary Survey Category: DS

SDWIS Severity Code: Significant Deficiency

**Distribution | DS001 | UTAH27010 DISTRIBUTION SYSTEM**

52A. Open end of vent line covered with #14 mesh screen and down-turned.

**Rule: R309-550-6(6)(b)**

**Rule states the open end of the air relief vent pipe from automatic valves shall be provided with a #14 mesh, non-corrodible screen and a downward elbow, and where possible, be extended to at least one foot above grade. This significant deficiency must be corrected within 120 days of notification or have a corrective action plan approved by DDW.**

*Notes:*

*AIR VAC LOCATED ON MAIN STREET*

Deficiency Points: 10

Days until points become effective on IPS: 120

SDWIS Deficiency Description: D004

AIR OR VACUUM RELEASE VALVES NOT PROPERLY SCREENED

**Sanitary Survey Category: SO**

**SDWIS Severity Code: Recommendation**

**Springs | WS001 | OAK GROVE SPRING**

76. Drain has minimum of 12 inch clearance above flood rim of receiving basin

**Rule: R309-515-7(7)(d)**

**R309-515-7(7)(d) references R309-545-10(1) which requires an air gap of at least 12 inches. 5 demerit points shall be assessed. This deficiency must be fixed immediately**

*Notes:*

*WAS BURIED IN MUD AT TIME OF SURVEY*

Deficiency Points: 0

Days until points become effective on IPS: 0

SDWIS Deficiency Description: SS21

DRAIN LINE DOES NOT HAVE ADEQUATE AIR GAP NOT COVERED IN IPS

**Sanitary Survey Category: SO**

**SDWIS Severity Code: Minor Deficiency**

**Wells | WS002 | LEEDS WELL**

99. Well discharge line has a smooth-nosed sampling tap (first item from the well head).

**Rule: R309-515-6(12)(d)(iv)**

**Rule requires the discharge piping to be equipped with (in order of placement from the wellhead) a smooth nosed sampling tap, a check valve, a pressure gauge, a means of measuring flow, and a shutoff valve.**

*Notes:*

*NOT FIRST ITEM FROM WELL HEAD - LAST ITEM*

Deficiency Points: 1

Days until points become effective on IPS: 0

SDWIS Deficiency Description: S023

NO SMOOTH NOSED SAMPLING TAP ON DISCHARGE PIPING

**Sanitary Survey Category: SO**

**SDWIS Severity Code: Minor Deficiency**

**Wells | WS002 | LEEDS WELL**

100. Well discharge line has a check valve.

**Rule: R309-515-6(12)(d)(iv)**

**Rule requires the discharge piping to be equipped with (in order of placement from the wellhead) a smooth nosed sampling tap, a check valve, a pressure gauge, a means of measuring flow, and a shutoff valve.**

*Notes:*

*NO CHECK VALVE*

Deficiency Points: 1

Days until points become effective on IPS: 0

SDWIS Deficiency Description: S024

NO CHECK VALVE ON DISCHARGE PIPING

**Sanitary Survey Category: SO**

**SDWIS Severity Code: Significant Deficiency**

**Wells | WS002 | LEEDS WELL**

105. Air vacuum relief valve on well discharge piping screened with #14 mesh screen

**Rule: R309-515-6(12)(d)(v)**

**Rule requires the exhaust/relief piping on an air release/vacuum relief valve on the well discharge piping to be covered with a #14 mesh corrosion-resistant screen. This significant deficiency must be corrected within 120 days of notification or have a corrective action plan approved by DDW.**

*Notes:*

*NEEDS #14 SCREEN*

Deficiency Points: 2

Days until points become effective on IPS: 120

SDWIS Deficiency Description: S029

A/V RELEASE VALVE LACKS PROPER SCREEN

**Sanitary Survey Category: FW**

**SDWIS Severity Code: Minor Deficiency**

**Storage Tanks | ST002 | 030-2**

128B. Access opening shoe box type with at least 2 inches of overlap

**Rule: R309-545-14(2)**

**Rule requires the frame of an access opening to be provided with a close fitting solid shoebox type cover which extends down around the frame at least two inches and is furnished with a gasket(s) between the lid and frame.**

*Notes:*

*LESS THAN 2 INCH OVERLAP*

Deficiency Points: 3

Days until points become effective on IPS: 0

SDWIS Deficiency Description: V010

STORAGE FACILITY LACKS PROPER SHOEBOX ACCESS

**Sanitary Survey Category: FW**

**SDWIS Severity Code: Minor Deficiency**

**Storage Tanks | ST004 | 125-4**

154B. End of vent terminates at least 24 inches above earthen cover (buried tank) and is located and sized to avoid blockage during winter.

**Rule: R309-545-15(2)**

**For buried structures, the rule requires the end of the vent discharge to be a minimum of 24 inches above the earthen covering.**

*Notes:*

*VENT IS LESS THAN 24 INCHES ABOVE COVERING ON TANK*

Deficiency Points: 2

Days until points become effective on IPS: 0

SDWIS Deficiency Description: V006

STORAGE FACILITY VENT NOT 24-36 IN. ABOVE SURFACE

**Sanitary Survey Category: FW**

**SDWIS Severity Code: Significant Deficiency**

**Storage Tanks | ST004 | 125-4**

163B. Overflow line covered with #4 mesh non-corrodible screen

**Rule: R309-545-13(3)**

**Rule requires overflow pipes to be screened with #4 mesh non-corrodible screens installed at a location least susceptible to damage by vandalism. This significant deficiency must be corrected within 120 days of notification or have a corrective action plan approved by DDW.**

*Notes:*

*LACKS #14 SCREEN - CURRENTLY HAS SOME TYPE OF MANUFACTURED SCREEN MADE OP PLASTIC*

Deficiency Points: 5

Days until points become effective on IPS: 120

SDWIS Deficiency Description: V012

STORAGE FACILITY OVERFLOW PIPE IMPROPER SCREEN