

August 13, 2015

Eric Hawkes, Manager
Emigration Improvement District
PO Box 58945
Salt Lake City, UT 84158

Dear Mr. Hawkes:

Subject: UTAH18143 Emigration Improvement District Sanitary Survey

On July 14th, 2015, Pui Shum, Andrew Dibb and I conducted a sanitary survey of the Emigration Improvement District. We met with you to review the physical system and operations. I appreciate your time, effort and the cooperation in conducting the sanitary survey as well as your exceptional willingness to provide safe drinking water.

Emigration Improvement District serves approximately 600 residents totaling: 278 residential and 2 commercial. There are approximately: 4 active wells, 2 active storage tanks, 3 culinary water treatment/chemical feed facilities. The system also maintains air/vacuum release valves spread throughout miles of distribution mains and lines, including miscellaneous valves, etc.

The Utah Division of Drinking Water (DDW) rates public drinking water systems using the Improvement Priority System Rule, R309-400. Points are assigned based on violations of 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.

As a result of the survey, I wish to present the recommendations and conclusions in this cover letter. I encourage you to follow the recommendations and take the necessary actions to correct the noted deficiencies. Corrections of these issues identified in these recommendations and conclusions are necessary in order for your water system to be in compliance with the Safe Drinking Water Rules. Once these corrections have been made, please notify the Division of Drinking Water so they can remove the IPS points.

The Ground Water Rule became effective December 1, 2009. Any significant deficiencies identified during the sanitary survey; 1) must be corrected with 120 days of the date of completion of this survey, or 2) your system must enter into a corrective action plan with the Division of Drinking Water to address the correction of the significant deficiencies. Failure to do will result in a treatment technique violation.

During the survey Emigration Improvement District received **73** IPS points.

The following *deficiencies* were noted during the sanitary survey:

1. **WS004 – Upper Freeze Creek Well Source Protection:**

- a. This source has a PER that has not been upgraded to a full DWSP
 - i. This is a **significant** deficiency

30 IPS points have been assigned

2. **Cross Connection Control Plan:**

- a. The system lacks documentation of annual public awareness and/or employee training

- i. **10 IPS points have been assigned**

- b. The system lacks trained personnel to manage the program

- i. **10 IPS points have been assigned**

- c. The system lacks records of hazards found, protection required and installed, enforcement actions, assembly testing etc.

- i. **10 IPS points have been assigned**

- d. The system lacks documentation of on-going program enforcement

- i. **10 IPS points have been assigned**

3. **WS001-FREEZE CREEK WELL:**

- a. There is no smooth-nosed sampling tap located on the discharge piping.

- i. **1 IPS points have been assigned**

4. **TP002-WELL 2 CHLORINATOR:**

- a. The chlorine tank lacks adequate spill containment provisions

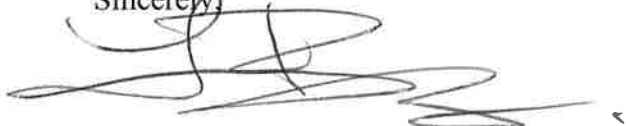
- i. **2 IPS points have been assigned**

Enclosed are copies of the completed survey questions, deficiency report, capacity calculations and the inventory report. The Division of Drinking Water will provide a copy of your IPS Report after staff has transferred the sanitary survey information into the main DDW database.

I encourage you to take the necessary actions to correct the noted deficiencies. Once the deficiencies are corrected, please use the *IPS Deficiency Correction Notice* to notify the state Division of Drinking Water so they can delete the appropriate IPS points assigned for those deficiencies. This form can be obtained from their website;
http://www.deq.utah.gov/forms/water/dw/docs/2014/03Mar/pdf/e-deficiency_reporting_form-v2.pdf

Feel free to contact me at (385) 468-3898, e-mail libenavidez@slco.org if you have questions.

Sincerely,

A handwritten signature in black ink, appearing to read 'Lili Benavidez', with a long horizontal flourish extending to the right.

Lili Benavidez, LEHS
Salt Lake County Health Department
Bureau of Water Quality and Hazardous Waste

Enclosures

cc: Elden Olsen, DDW.
cc: David Hansen, DDW.
cc: John Oakeson, DDW
cc: Larry Hall, Aqua Engineering