

18143



Salt Lake Valley Health Department

Division of Environmental Health

Royal DeLegge, M.P.A., L.E.H.S. • Division Director

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December 13, 2007

*Williams  
11-14-07*

Fred Smolka  
Water System Manager  
Emigration Improvement District  
PO BOX 58945  
Salt Lake City, UT 84158

Dear Mr. Smolka:

It was a pleasure to have Larry Hall accompany me while doing the sanitary survey for your water system. I have included the Sanitary Survey-Survey Responses document along with the Sanitary Survey-Deficiency Report with this letter. There are two deficiencies on your report which carry points against the system. There is not a smooth nosed sampling tap on Well #1 (1 point). There is no spill containment on the chlorine tank in Well #2 (2 point). The emergency response plan gives your system -10 deficiency points. The total points against your system is -7 points for this survey.

Approved Community water systems must have less than 150 total demerit points.

Each deficiency has an explanation on the report (see notes under comments and SDWIS Deficiency Description) and a number of days to correct the deficiency. When you have made changes to overcome the deficiency, please indicate on the state form the required information, sign and date it, and send or fax it to the state Division of Drinking Water. The state will then remove points from your system.

# Sanitary Survey - Deficiency Report

PWS Number: UTAH18143

Total Demerit Points: 13

Survey Date: 12/20/2007

Survey Name: EMIGRATION IMP DISTRICT

Surveyor Name: Elden Olsen

Sanitary Survey Category:

SDWIS Severity Code: Recommendation

General / Background Info / Previous Survey Info

Have all deficiencies noted during previous survey been corrected?

Answer Recorded No

Comments:

Notes: NO SMOOTH NOSED SAMPLING TAP,

Demerit Points:

Days to Correct Deficiency:

SDWIS Deficiency Description:

Sanitary Survey Category: FW

SDWIS Severity Code: Recommendation

Storage / WILDFLOWER TANK - (Active) / Components

Access openings: Is the access of the shoe box type with a minimum of a 2 inch overlap?

Answer Recorded No

Comments:

Notes:

Demerit Points: 0

Days to Correct Deficiency: 0

SDWIS Deficiency Description: V010 STORAGE FACILITY LACKS PROPER SHOEBOX ACCESS

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**Sanitary Survey Category: SM**

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**SDWIS Severity Code: Recommendation****Management / Emergency Response**

Does your system have a written Emergency Response Plan?

**Answer Recorded Yes**

**Comments: R309-150-10(2)**

**A written Emergency Response Plan helps to protect the quality and quantity of water available to consumers. R309-150-10(2) allows 10 credit points to be issued.**

Notes:

Demerit Points: -10

Days to Correct Deficiency: 0

SDWIS Deficiency Description: M001 CURRENT EMERGENCY RESPONSE PROGRAM

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**SDWIS Severity Code: Minor Deficiency****Management / Cross-Connections**

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

**Answer Recorded No**

**Comments: R309-105-12(2)(d)**

**R309-105-12(2)(d) requires each public water system to have a cross connection control program which includes written records of cross connection control activities. 10 demerit points. This deficiency should be corrected within 90 days of notification.**

Notes:

**NO TESTABLE DEVICES ON THE SYSTEM.**

Demerit Points: 10

Days to Correct Deficiency: 90

SDWIS Deficiency Description: M006 CCC-LACKS WRITTEN RECORDS

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**Sanitary Survey Category: SM**

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**SDWIS Severity Code: Minor Deficiency****Management / Cross-Connections**

Documentation of on-going program enforcement? (ie records of periodic hazard assessments, annual test report, updated assembly inventory, etc)

**Answer Recorded No**

**Comments: R309-105-12(2)(e) R309-105-12(2)(e) requires each public water system to have a cross connection control program which includes test history and documentation of on-going enforcement. 10 demerit points. This deficiency should be corrected within 90 days of notification.**

Notes:

Demerit Points: 10

Days to Correct Deficiency: 90

SDWIS Deficiency Description: M007 CCC-LACKS ON-GOING ENFORCEMENT PLAN

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**Sanitary Survey Category: SO**

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**SDWIS Severity Code: Minor Deficiency****Sources / Groundwater / WELL #1 - (Active) / Pumps**

Pump discharge piping: a smooth-nosed sampling tap?

**Answer Recorded No**

**Comments: R309-515-6(12)(e)(iv) R309-515-6(12)(e)(iv) states the discharge piping shall 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. 1 demerit point per item missing. This deficiency should be corrected within 90 days.**

Notes:

Demerit Points: 1

Days to Correct Deficiency: 90

SDWIS Deficiency Description: S023 NO SMOOTH NOSED SAMPLING TAP ON DISCHARGE PIPING

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**Sanitary Survey Category: TR**

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**SDWIS Severity Code: Minor Deficiency**

**WELL #2 - (Active) / General / Chemical Use**

Are there adequate spill containment provisions?

**Answer Recorded No**

**Comments: R309-525-11(6)(a)(iv)(B) R309-525-11(6)(a)(iv)(B) states liquid chemical storage tanks must have an overflow and receiving basin or drain capable of receiving accidental spills or overflows, and meeting all the requirements of R309-525-23. 2 demerit points. This deficiency should be corrected within 90 days.**

Notes:

Demerit Points: 2

Days to Correct Deficiency: 90

SDWIS Deficiency Description: TG59 INADEQUATE SPILL CONTAINMENT PROVISIONS

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# Sanitary Survey - Deficiency Report

PWS Number: UTAH18143

Total Demerit Points: 13

Survey Date: 12/20/2007

Survey Name: EMIGRATION IMP DISTRICT

Surveyor Name: Elden Olsen

Sanitary Survey Category:

SDWIS Severity Code: Recommendation

General / Background Info / Previous Survey Info

Have all deficiencies noted during previous survey been corrected?

Answer Recorded No

Comments:

Notes: NO SMOOTH NOSED SAMPLING TAP,

Demerit Points:

Days to Correct Deficiency:

SDWIS Deficiency Description:

Sanitary Survey Category: FW

SDWIS Severity Code: Recommendation

Storage / WILDFLOWER TANK - (Active) / Components

Access openings: Is the access of the shoe box type with a minimum of a 2 inch overlap?

Answer Recorded No

Comments:

Notes:

Demerit Points: 0

Days to Correct Deficiency: 0

SDWIS Deficiency Description: V010 STORAGE FACILITY LACKS PROPER SHOEBOX ACCESS

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**Sanitary Survey Category: SM**

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**SDWIS Severity Code: Recommendation****Management / Emergency Response**

Does your system have a written Emergency Response Plan?

**Answer Recorded Yes****Comments:** R309-150-10(2)**A written Emergency Response Plan helps to protect the quality and quantity of water available to consumers. R309-150-10(2) allows 10 credit points to be issued.**

Notes:

Demerit Points: -10

Days to Correct Deficiency: 0

SDWIS Deficiency Description: M001 CURRENT EMERGENCY RESPONSE PROGRAM

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**SDWIS Severity Code: Minor Deficiency****Management / Cross-Connections**

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

**Answer Recorded No****Comments:** R309-105-12(2)(d)**R309-105-12(2)(d) requires each public water system to have a cross connection control program which includes written records of cross connection control activities. 10 demerit points. This deficiency should be corrected within 90 days of notification.**

Notes: NO TESTABLE DEVICES ON THE SYSTEM.

Demerit Points: 10

Days to Correct Deficiency: 90

SDWIS Deficiency Description: M006 CCC-LACKS WRITTEN RECORDS

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**Sanitary Survey Category: SM**

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**SDWIS Severity Code: Minor Deficiency****Management / Cross-Connections**

Documentation of on-going program enforcement? (ie records of periodic hazard assessments, annual test report, updated assembly inventory, etc)

**Answer Recorded No**

**Comments:** R309-105-12(2)(e) **R309-105-12(2)(e) requires each public water system to have a cross connection control program which includes test history and documentation of on-going enforcement. 10 demerit points. This deficiency should be corrected within 90 days of notification.**

Notes:

Demerit Points: 10

Days to Correct Deficiency: 90

SDWIS Deficiency Description: M007 CCC-LACKS ON-GOING ENFORCEMENT PLAN

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**Sanitary Survey Category: SO**

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**SDWIS Severity Code: Minor Deficiency****Sources / Groundwater / WELL #1 - (Active) / Pumps**

Pump discharge piping: a smooth-nosed sampling tap?

**Answer Recorded No**

**Comments:** R309-515-6(12)(e)(iv) **R309-515-6(12)(e)(iv) states the discharge piping shall 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. 1 demerit point per item missing. This deficiency should be corrected within 90 days.**

Notes:

Demerit Points: 1

Days to Correct Deficiency: 90

SDWIS Deficiency Description: S023 NO SMOOTH NOSED SAMPLING TAP ON DISCHARGE PIPING



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**Sanitary Survey Category: TR**

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**SDWIS Severity Code: Minor Deficiency**

**WELL #2 - (Active) / General / Chemical Use**

Are there adequate spill containment provisions?

**Answer Recorded No**

**Comments: R309-525-11(6)(a)(iv)(B) R309-525-11(6)(a)(iv)(B) states liquid chemical storage tanks must have an overflow and receiving basin or drain capable of receiving accidental spills or overflows, and meeting all the requirements of R309-525-23. 2 demerit points. This deficiency should be corrected within 90 days.**

Notes:

Demerit Points: 2

Days to Correct Deficiency: 90

SDWIS Deficiency Description: TG59 INADEQUATE SPILL CONTAINMENT PROVISIONS

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# Sanitary Survey - Deficiency Report

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**PWS Number:** UTAH18145

**Total Demerit Points:** 115

**Survey Date:** 12/20/2007

**Survey Name:** MILLCREEK INN

**Surveyor Name:** Elden Olsen

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## Sanitary Survey Category:

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**SDWIS Severity Code:** Recommendation

### General / Background Info / Previous Survey Info

Have all deficiencies noted during previous survey been corrected?

**Answer Recorded** No

### Comments:

**Notes:** CROSS-CONNECTION CONTROL ACTIVITIES NOT RECORDED.

**Demerit Points:**

**Days to Correct Deficiency:**

**SDWIS Deficiency Description:**

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**Sanitary Survey Category: DS**

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**SDWIS Severity Code: Significant Deficiency****Management / Cross-Connections**

Are there any unprotected connections between the distribution system and any pipes, pumps, hydrants, or tanks whereby unsafe water or other contaminating materials may be discharged or drawn into the system?

**Answer Recorded Yes****Comments:** R309-105-12(1)

**R309-105-12(1) states that a water supplier shall not allow a connection to his system which may jeopardize its quality and integrity. Cross connections are not allowed unless controlled by an approved and properly operating backflow prevention assembly. 50 demerit points. This deficiency shall be corrected immediately.**

Notes:

Demerit Points: 50

Days to Correct Deficiency: 0

SDWIS Deficiency Description: M020 UNPROTECTED CROSS CONN PRESENT IN DIST SYSTEM

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**SDWIS Severity Code: Recommendation****DISTRIBUTION SYSTEM - (Active) / Pressure/Flow**

Was the system constructed or new portions added after January 1, 2007.

**Answer Recorded No****Comments:**

Notes:

Demerit Points: 0

Days to Correct Deficiency: 0

SDWIS Deficiency Description: L041

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**Sanitary Survey Category: MR**

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**SDWIS Severity Code: Minor Deficiency****DISTRIBUTION SYSTEM - (Active) / Disinfection**

Does your water facility disinfection procedures meet the AWWA C-601, 602, 651, 652 Standards for disinfection?

**Answer Recorded No**

**Comments: R309-105-10(2)&(3) R309-105-10(2)&(3) stte that all new and repaired water mains and appurtenances and reservoirs shall be disinfected in accordance with AWWA Standard C651. 10 demerit points. This deficient practice shall stop immediately.**

Notes:

Demerit Points: 10

Days to Correct Deficiency: 0

SDWIS Deficiency Description: D018 IMPROPER BATCH DISINFECTION PRACTICES

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**Sanitary Survey Category: PU**

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**SDWIS Severity Code: Minor Deficiency****BOOSTER PUMP - (Active) / Design**

Is heating, ventilation, and lighting adequate?

**Answer Recorded No**

**Comments: R309-540-5(2)(e)(f) &(g) R309-540-5(2)(e)(f) &(g) state heating, lighting and ventilation shall be adequate for the safe and efficeint operation of the equipment. 5 demerit points. This deficiency should be corrected within 365 days.**

Notes: THERE IS NO LIGHTING.

Demerit Points: 5

Days to Correct Deficiency: 365

SDWIS Deficiency Description: PS14 PS NOT PROPERLY HEATED LIGHTED OR VENTILATED

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**Sanitary Survey Category: SM**

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**SDWIS Severity Code: Recommendation****Management / Emergency Response**

Does your system have a written Emergency Response Plan?

**Answer Recorded Yes****Comments:** R309-150-10(2)**A written Emergency Response Plan helps to protect the quality and quantity of water available to consumers. R309-150-10(2) allows 10 credit points to be issued.**

Notes:

Demerit Points: -10

Days to Correct Deficiency: 0

SDWIS Deficiency Description: M001 CURRENT EMERGENCY RESPONSE PROGRAM

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**SDWIS Severity Code: Minor Deficiency****Management / Cross-Connections**

Legally adopted authority statement?

**Answer Recorded No****Comments:** R309-105-12(2)(a)**R309-105-12(2)(a) requires each public water system to have a cross connection control program which includes a legally adopted and functional local authority statement. 10 demerit points. This deficiency should be corrected within 90 days of notification.**

Notes: THE SYSTEM IS OWNED OUTRIGHT.

Demerit Points: 10

Days to Correct Deficiency: 90

SDWIS Deficiency Description: M003 CCC-LACKS LOCAL AUTHORITY

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**Sanitary Survey Category: SM**

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**SDWIS Severity Code: Minor Deficiency**

**Management / Cross-Connections**

Documentation of annual public awareness and/or employee training?

**Answer Recorded No**

**Comments:** R309-105-12(2)(b) **R309-105-12(2)(b) requires each public water system to have a cross connection control program which includes providing public education or awareness material. 10 demerit points. This deficiency should be corrected within 90 days of notification.**

Notes:

Demerit Points: 10

Days to Correct Deficiency: 90

SDWIS Deficiency Description: M004 CCC-NO ANNUAL PUBLIC EDUCATION OR AWARENESS

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Documentation of personnel trained to manage the program?

**Answer Recorded No**

**Comments:** R309-105-12(2)(c) **R309-105-12(2)(c) requires each public water system to have a cross connection control program which includes an operator with adequate training in the area of cross connection control or backflow prevention. 10 demerit points. This deficiency should be corrected within 90 days of notification.**

Notes: THE STATE HAS NO RECORD OF CROSS-CONNECTION TRAINING BY SYSTEM OPERATOR/MANAGER.

Demerit Points: 10

Days to Correct Deficiency: 90

SDWIS Deficiency Description: M005 CCC-LACKS OPERATOR TRAINING

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**Sanitary Survey Category: SM**

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**SDWIS Severity Code: Minor Deficiency**

**Management / Cross-Connections**

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

**Answer Recorded No**

**Comments: R309-105-12(2)(d) R309-105-12(2)(d) requires each public water system to have a cross connection control program which includes written records of cross connection control activities. 10 demerit points. This deficiency should be corrected within 90 days of notification.**

Notes:

Demerit Points: 10

Days to Correct Deficiency: 90

SDWIS Deficiency Description: M006 CCC-LACKS WRITTEN RECORDS

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Documentation of on-going program enforcement? (ie records of periodic hazard assessments, annual test report, updated assembly inventory, etc)

**Answer Recorded No**

**Comments: R309-105-12(2)(e) R309-105-12(2)(e) requires each public water system to have a cross connection control program which includes test history and documentation of on-going enforcement. 10 demerit points. This deficiency should be corrected within 90 days of notification.**

Notes: THERE ARE NO TESTABLE DEVICES ON THIS SYSTEM NOW.

Demerit Points: 10

Days to Correct Deficiency: 90

SDWIS Deficiency Description: M007 CCC-LACKS ON-GOING ENFORCEMENT PLAN

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**Sanitary Survey Category: SO**

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**SDWIS Severity Code: Minor Deficiency****Sources / Groundwater / CHURCH FORK SPR - (Active) / Construction**

Is surface water and drainage diverted from the 50 feet protection zone around the spring?

**Answer Recorded No**

**Comments: R309-515-7(7)(g) R309-515-7(7)(g) requires a diversion channel around the spring collection area capable of diverting surface water away from the collection area. 5 demerit points. This deficiency should be corrected within 30 days of notification.**

Notes:

Demerit Points: 5

Days to Correct Deficiency: 30

SDWIS Deficiency Description: SS03 SPRING COLLECTION AREA LACKS A DIVERSION CHANNEL

Spring box: Is the lid properly gasketed?

**Answer Recorded No**

**Comments: R309-515-7(7)(d) R309-515-7(7)(d) refers to R309-545-14(2) which requires a raised shoe box type lid with a 2 inch overlap and a gasket between the lid and frame. 5 demerit points. This deficiency should be corrected within 90 days of notification.**

Notes:

Demerit Points: 5

Days to Correct Deficiency: 90

SDWIS Deficiency Description: SS10 SPRING BOX LACKS A GASKET ON LID



# Sanitary Survey - Survey Responses

PWS Number: UTAH18143

Survey ID: 527

Survey Date: 12/20/2007

Survey Name: EMIGRATION IMP DISTRICT

User Name: Elden Olsen

Question Number

## General / Background Info

### Name/Location:

- 1 Name of public water system: EMIGRATION IMP DISTRICT
- 2 PWS number: UTAH18143
- 3 Physical address: 3350 E TROUT LANE
- 4 County: SALT LAKE
- 5 Local Health Department
- |   |  |
|---|--|
| <input type="checkbox"/> Bear River HD                  | <input type="checkbox"/> Southeast Utah HD |
| <input type="checkbox"/> Central Utah HD                | <input type="checkbox"/> Southwest Utah HD |
| <input type="checkbox"/> Davis County HD                | <input type="checkbox"/> Summitt County HD |
| <input checked="" type="checkbox"/> Salt Lake County HD | <input type="checkbox"/> Tooele County HD  |

## General / Background Info

### Classification:

- 1 Total System - Design Water Production / Treatment Capacity (MGD): 0.518
- Notes: 600 GPM DESIGN, 360 ACTUAL
- 2 Actual average daily demand (MGD): 0.300
- 3 Actual peak daily demand (MGD): 0.6
- 4 SDWA classification of system
- |   |
|---|
| <input checked="" type="checkbox"/> C - Community     |
| <input type="checkbox"/> NC - Non Community transient |
| <input type="checkbox"/> NP - Non Public              |
| <input type="checkbox"/> NTNC - Non Transient Non Co  |
- 5 Number of service connections:

Question Number

5.01 Number of residential connections: 130

5.02 Number of commercial and industrial connections. 0

5.03 Number of other connections. 0

6 Residential population: 340

7 Seasonal operation?  
 Yes  
 No  
 NA  
 Unknown

7.01 Numeric Month of opening. 1

7.02 Numeric Day of opening. 1

7.03 Numeric Month of closing. 12

7.04 Numeric Day of closing. 31

8 Purchase water?  
 Yes  
 No  
 NA  
 Unknown

8.1 If yes, name of system purchased from:  
\_\_\_\_\_  
\_\_\_\_\_

8.2 System purchased from - PWS number:  
\_\_\_\_\_  
\_\_\_\_\_

9 Sell water?  
 Yes  
 No  
 NA  
 Unknown

Question Number

9.01 If yes, name of system sell to:

\_\_\_\_\_

\_\_\_\_\_

9.02 System(s) sold to PWS number:

\_\_\_\_\_

\_\_\_\_\_

**General / Background Info**

**Owner:**

1 Owner type:

- F - Federal
- L - Local
- M - Mixed
- N - Native American
- P - Private
- S - State Government

2 Legal ownership by (name or entity)

EMMIGRATION IMPROVEMEENT DISTRICT

\_\_\_\_\_

3 Principal Executive or CEO, Last Name

SMOLKA

\_\_\_\_\_

4 Principal Executive or CEO, First Name

FRED

\_\_\_\_\_

5 Owner's address

PO BOX 58945

\_\_\_\_\_

6 Owner's address - City

SALT LAKE CITY

\_\_\_\_\_

7 Owner's address - State

UT

8 Owner's address - Zip code

84158

\_\_\_\_\_

9 Owner's telephone

582-6176

\_\_\_\_\_

10 Owner's email address

FSMOLKA@MTNSTREAM.COM

\_\_\_\_\_

**General / Background Info**

**Staff:**

1 System Manager's Last name SMOLKA

2 System Manager's First name FRED

3 System Manager's address PO BOX 58945

4 System Manager's address - City SALT LAKE CITY

5 System Manager's address - State

<input type="checkbox"/> AL - Alberta	<input type="checkbox"/> NF - Newfoundland
<input type="checkbox"/> BC - British Columbia	<input type="checkbox"/> NT - Northwest Territories
<input type="checkbox"/> MB - Manitoba	<input type="checkbox"/> NS - Nova Scotia
<input type="checkbox"/> NB - New Brunswick	<input type="checkbox"/> ON - Ontario

6 System Manager's address - Zip code 84158

7 System Manager's telephone 801-582-6176

8 System Manager's email address SAME

9 Main Operator's Last name HALL

10 Main Operator's First name LARRY

11 Main Operator's address 89 W MONARCH DR.

12 Main Operator's address - City BOUNTIFUL

13 Main Operator's address - State

<input type="checkbox"/> AL - Alberta	<input type="checkbox"/> NF - Newfoundland
<input type="checkbox"/> BC - British Columbia	<input type="checkbox"/> NT - Northwest Territories
<input type="checkbox"/> MB - Manitoba	<input type="checkbox"/> NS - Nova Scotia
<input type="checkbox"/> NB - New Brunswick	<input type="checkbox"/> ON - Ontario

Question Number

14 Main Operator's address - Zip code 84010

15 Main Operator's telephone 801 209-6382

16 Main Operator's email address LARRYH@AQUAENG.COM

17 Main Operator's Certification Level D4 & T3

18 Emergency phone number. 801 209-6382

19 System FAX number. 801 299-1327

**General / Background Info**

**Previous Survey Info:**

1 Date of last sanitary survey: 4/30/2003

2 Last survey conducted by - name JOHN OAKASEN

3 List deficiencies from previous survey

Notes: SMOOTH NOSED TAP ON WELL #1, NO REPAIR KIT FOR CHLORINE, NO SCBA, STORAGE DRAIN SCREEN.

3.01 Have all deficiencies noted during previous survey been corrected?  Yes  No  NA  Unknown

Notes: NO SMOOTH NOSED SAMPLING TAP,

3.02 If no, list item number for remaining deficiencies NO SMOOTH NOSED SAMPLING TAP.

**General / SDWIS Site Visit Info**

1 Reason for the visit

SNSV - Sanitary Survey  TRNG - Training  
 SSVF - Sanitary Survey Follow-up  LABC - Laboratory certification  
 SHAZ - Sanitary Hazards Investigation  EMRG - Emergency assistance  
 TRTP - Water Treatment Plant  ENGR - Engineering

Question Number

- 2 Questions sent to water system on: 11/14/2007
- 4 Date of the survey 11/14/2007
- 5 Survey Status  C - Completed  
 P - Planned
- 6 Last name of surveyor: WILLIAMS
- 7 First name of surveyor. RANDY
- 8 Surveyor's organization SLVHD
- 9 Surveyor phone number 801 313-6712
- 10 Surveyor e-mail RWILLIAMS@SLCO ORG
- 11 Water system representatives present during the survey: LARRY HALL
- 12 Official notification of report results sent to water system. 12/13/2007

**Regulations / Plans/Records**

- 1 Does the (TCR) sample site plan meet the minimum requirements?  
(Answer no, if no plan is present)  Yes  
 No  
 NA  
 Unknown

**Management / General**

- 1 Does the system haul water?  Yes  
 No  
 NA  
 Unknown

Question Number

- 1.01 Is the water system a community water system?  
 Yes  
 No  
 NA  
 Unknown
- 1.02 For non-community public water systems is there any other way to supply good quality drinking water?  
 Yes  
 No  
 NA  
 Unknown
- 1.03 Are the DDW guidelines for water hauling followed? (ie draw water from an approved source, periodically clean and disinfect equipment, load, disinfect water and unload water properly)  
 Yes  
 No  
 NA  
 Unknown
- 2 Have there been any customer complaints about a new taste, odor, color, or other physical change (oily, filmy, burns on contact with skin, etc) with regard to the water provided?  
 Yes  
 No  
 NA  
 Unknown
- 3 Is there a procedure in place to respond immediately to such customer complaint?  
 Yes  
 No  
 NA  
 Unknown

**Management / Planning**

**General:**

- 1 The system does not meet the required source capacity requirements? (Answer "No" if source capacity is adequate, use Excel spreadsheet for calculations)  
 Yes  
 No  
 NA  
 Unknown
- 1.01 Does the system meet a minimum of 90% of the required source capacity? (Answer only once in this section)  
 Yes  
 No  
 NA  
 Unknown
- 1.02 Does the system meet a minimum of 80% of the required source capacity? (Answer only once in this section)  
 Yes  
 No  
 NA  
 Unknown
- 1.03 Does the system meet a minimum of 70% of the required source capacity? (Answer only once in this section)  
 Yes  
 No  
 NA  
 Unknown
- 1.04 Does the system meet a minimum of 60% of the required source capacity? (Answer only once in this section)  
 Yes  
 No  
 NA  
 Unknown
- 1.05 Does the system meets less than 60% of the required source capacity? (Answer only once in this section)  
 Yes  
 No  
 NA  
 Unknown
- 2 The system does not meet the required storage capacity requirements? (Answer "No" if storage capacity is adequate, use Excel spreadsheet for calculations)  
 Yes  
 No  
 NA  
 Unknown

Question Number

- 2.01 Does the system meet a minimum of 90% of the required storage capacity? (Answer only once in this section)  
 Yes  
 No  
 NA  
 Unknown
- 2.02 Does the system meet a minimum of 80% of the required storage capacity? (Answer only once in this section)  
 Yes  
 No  
 NA  
 Unknown
- 2.03 Does the system meet a minimum of 70% of the required storage capacity? (Answer only once in this section)  
 Yes  
 No  
 NA  
 Unknown
- 2.04 Does the system meet a minimum of 60% of the required storage capacity? (Answer only once in this section)  
 Yes  
 No  
 NA  
 Unknown
- 2.05 Does the system meet less than 60% of the required storage capacity? (Answer only once in this section)  
 Yes  
 No  
 NA  
 Unknown
- 3 Has there been any recent modifications to the water system?  
 Yes  
 No  
 NA  
 Unknown
- 3.01 DDW review of recent modifications:  
 Yes  
 No  
 NA  
 Unknown
- 3.02 Recent modifications - Briefly describe the project.

Notes: PHASE II IS ALMOST COMPLETE AND WILL BE PUT INTO THE SYSTEM SOON.

**PHASE I, SEWER LINE PLACEMENT EXCEPTION, STORAGE AND WATER LIN @ BRIGHAM FORK WELL.**

- 4 Are there any undocumented water system facilities? (i.e. tanks, pump stations, treatment facilities, etc.)  
 Yes  
 No  
 NA  
 Unknown

**Management / Emergency Response**

- 1 Does your system serve less than 3300 in population?  
 Yes  
 No  
 NA  
 Unknown
- 1.01 Does your system have a written Emergency Response Plan?  
 Yes  
 No  
 NA  
 Unknown
- 1.02 Has your Emergency Response Plan been updated within the last 3 years?  
 Yes  
 No  
 NA  
 Unknown
- 2 Does your system serve a population of 3300 or greater?  
 Yes  
 No  
 NA  
 Unknown



Question Number

- 2.01 Does your system have the EPA required Emergency Response Plan?  Yes  
 No  
 NA  
 Unknown
- 2.02 Has your Emergency Response Plan been updated within the last 3 years?  Yes  
 No  
 NA  
 Unknown

**Management / Cross-Connections**

- 1 Are there any unprotected connections between the distribution system and any pipes, pumps, hydrants, or tanks whereby unsafe water or other contaminating materials may be discharged or drawn into the system?  Yes  
 No  
 NA  
 Unknown
- 2 Does the water system have all 5 of the following elements of a written cross-connection control program ?
- 2.01 Legally adopted authority statement?  Yes  
 No  
 NA  
 Unknown
- 2.02 Documentation of annual public awareness and/or employee training?  Yes  
 No  
 NA  
 Unknown
- 2.03 Documentation of personnel trained to manage the program?  Yes  
 No  
 NA  
 Unknown
- 2.04 Records of hazards found, protection required and installed, enforcement actions, assembly testing etc.?  Yes  
 No  
 NA  
 Unknown
- Notes: **NO TESTABLE DEVICES ON THE SYSTEM.**
- 2.05 Documentation of on-going program enforcement? (ie records of periodic hazard assessments, annual test report, updated assembly inventory, etc)  Yes  
 No  
 NA  
 Unknown

**Management / Staffing**

- 1 Is the main operator properly certified at the level required for the system?  Yes  
 No  
 NA  
 Unknown
- 2 If there is a certified operator, are they available within 1 hour travel time at all times as required by R309-300 (Operator Certification Rule)? (If no certified operator is present answer NA)  Yes  
 No  
 NA  
 Unknown

**Management / Source Protection**

- 1 Has the system appointed a designated person for their source protection program and notified the Division of Drinking Water who that person is?  Yes  
 No  
 NA  
 Unknown
  
- 2 Is their phone number and address different from the water system?  Yes  
 No  
 NA  
 Unknown
  
- 2.01 Updated address. \_\_\_\_\_  
\_\_\_\_\_
  
- 2.02 Updated phone number. \_\_\_\_\_
  
  
- 3 Is there a current copy of each of the DWSP Plans on the premises of the water system? (If this is a transient non-community, they should have a copy of their assessment on the premises.)  Yes  
 No  
 NA  
 Unknown
  
- 4 Are the following items in the Source Protection Plans kept up to date in order to show current conditions in the DWSP zones, including:
  - 4.01 Is the inventory of potential contamination sources current?  Yes  
 No  
 NA  
 Unknown
  
  - 4.02 Implementation of land management strategies in the recordkeeping section? The recordkeeping section must include copies of ordinances, codes, permits, public education programs, minutes of meetings, etc.  Yes  
 No  
 NA  
 Unknown
  
- 5 Are there any new sources for which a Preliminary Evaluation Report has not been submitted?  Yes  
 No  
 NA  
 Unknown
  
- 6 Are there any old sources that have come into use for which a DWSP Plan has not been submitted?  Yes  
 No  
 NA  
 Unknown
  
- 7 Has there been reconstruction or redevelopment of any ground-water source for which a revised DWSP Plan has not been submitted?  Yes  
 No  
 NA  
 Unknown

**Sources / General**

**General:**

- 1 Are there any undocumented source(s) physically connected to the drinking water system? (If source is not on system inventory mark "yes")  Yes  
 No  
 NA  
 Unknown

**Sources / Groundwater**

**WELL #1 - (Active) / Construction:**

- 1      **The well casing does NOT extend a minimum of 18 inches above the finished ground surface or 12 inches above the well house floor? (Answer "No" if standard is met)**
  - Yes
  - No
  - NA
  
- 1.01      **Is the well site in a flood plain or area likely to be flooded?**
  - Unknown
  - Yes
  - No
  - NA
  - Unknown
  
- 2      **Is the sanitary seal properly installed and maintained?**
  - Yes
  - No
  - NA
  - Unknown
  
- 3      **Is there a pitless adapter?**
  - Yes
  - No
  - NA
  - Unknown
  
- 3.01      **Does the pitless adapter appear to be water tight including the cap, cover, casing extension and other attachments?**
  - Yes
  - No
  - NA
  - Unknown
  
- 4      **Is the well casing vented?**
  - Yes
  - No
  - NA
  - Unknown
  
- 4.01      **Is the open end of the vent screened with a #14 mesh screen?**
  - Yes
  - No
  - NA
  - Unknown
  
- 4.02      **Is the open end of the vent down-turned?**
  - Yes
  - No
  - NA
  - Unknown
  
- 4.03      **Is the open end of the vent terminated with an appropriate air gap above the ground?**
  - Yes
  - No
  - NA
  - Unknown
  
- 5      **Is there a pump to waste line from the well?**
  - Yes
  - No
  - NA
  - Unknown
  
- 5.01      **Does the pump to waste line discharge through an approved air gap?**
  - Yes
  - No
  - NA
  - Unknown
  
- 5.02      **Is the pump to waste line equipped with a #4 non-corrodible mesh screen?**
  - Yes
  - No
  - NA
  - Unknown

Notes: CORRECTED DURING THE SURVEY.
  
- 5.03      **Does the pump to waste line discharge to a sanitary sewer or storm sewer without proper local authorization?**
  - Yes
  - No
  - NA
  - Unknown

Question Number

- 6 Is there a means to measure drawdown?  
 Yes  
 No  
 NA  
 Unknown
- 7 Is the wellhead properly secured against unauthorized personnel?  
 Yes  
 No  
 NA  
 Unknown

**Sources / Groundwater**

**WELL #1 - (Active) / Pumps:**

1 Where does this pumping station pump from and to?

TO SYSTEM AND TO TANKS (BOTH).

2 What type of pump(s) are at this pumping station?

- CF - Centrifugal
- HP - Hand Pump
- JT - Jet
- PD - Positive Displacement
- SC - Screw
- SU - Summersible
- VT - Vertical Turbine

3 Is the building and equipment protected from flooding?

- Yes
- No
- NA
- Unknown

4 What is the actual pumping capacity of this well in gallons per minute (GPM)?

60

5 Are cross-connections present in the well discharge piping?

- Yes
- No
- NA
- Unknown

6 Is adequate drainage provided?

- Yes
- No
- NA
- Unknown

7 Are toxic chemicals, hazardous or flammable materials or lubricants stored inside the pumping station?

- Yes
- No
- NA
- Unknown

8 Is the pump discharge line equipped with:

8.01 Pump discharge piping: a smooth-nosed sampling tap?

- Yes
- No
- NA
- Unknown

8.02 Pump discharge piping: a positive-acting check valve between the pump and the isolation valve?

- Yes
- No
- NA
- Unknown

8.03 Pump discharge piping: pressure gauge?

- Yes
- No
- NA
- Unknown

Question Number

- 8.04 Pump discharge piping: flow meter?  Yes  
 No  
 NA  
 Unknown
- 8.05 Pump discharge piping: isolation gate valves?  Yes  
 No  
 NA  
 Unknown
- 9 Where a well pumps directly into a distribution system, is an air release valve or other means of releasing trapped air located on the pump discharge piping?  Yes  
 No  
 NA  
 Unknown
- 9.01 Is the discharge line from the air release valve properly downturned?  Yes  
 No  
 NA  
 Unknown
- 9.02 Is the open end of the air release valve screened with #14 mesh corrosion resistant mesh screen?  Yes  
 No  
 NA  
 Unknown
- 9.03 Is the open end of the air release valve terminated an appropriate air gap (minimum of 6 inches) above the ground or pumphouse floor?  Yes  
 No  
 NA  
 Unknown
- 10 Are the correct types of lubricant used (ANSI/NSF 60)?  Yes  
 No  
 NA  
 Unknown
- 11 Is rotating and electrical equipment provided with protective guards?  Yes  
 No  
 NA  
 Unknown

**Sources / Groundwater**

**WELL #2 - (Active) / Construction:**

- 1 The well casing does NOT extend a minimum of 18 inches above the finished ground surface or 12 inches above the well house floor? (Answer "No" if standard is met)  Yes  
 No  
 NA  
 Unknown
- 1.01 Is the well site in a flood plain or area likely to be flooded?  Yes  
 No  
 NA  
 Unknown
- 2 Is the sanitary seal properly installed and maintained?  Yes  
 No  
 NA  
 Unknown
- 3 Is there a pitless adapter?  Yes  
 No  
 NA  
 Unknown
- 3.01 Does the pitless adapter appear to be water tight including the cap, cover, casing extension and other attachments?  Yes  
 No  
 NA  
 Unknown

Question Number

- 4 Is the well casing vented?  
 Yes  
 No  
 NA  
 Unknown
- 4.01 Is the open end of the vent screened with a #14 mesh screen?  
 Yes  
 No  
 NA  
 Unknown
- 4.02 Is the open end of the vent down-turned?  
 Yes  
 No  
 NA  
 Unknown
- 4.03 Is the open end of the vent terminated with an appropriate air gap above the ground?  
 Yes  
 No  
 NA  
 Unknown
- 5 Is there a pump to waste line from the well?  
 Yes  
 No  
 NA  
 Unknown
- 5.01 Does the pump to waste line discharge through an approved air gap?  
 Yes  
 No  
 NA  
 Unknown
- 5.02 Is the pump to waste line equipped with a #4 non-corrodible mesh screen?  
 Yes  
 No  
 NA  
 Unknown
- 5.03 Does the pump to waste line discharge to a sanitary sewer or storm sewer without proper local authorization?  
 Yes  
 No  
 NA  
 Unknown
- 6 Is there a means to measure drawdown?  
 Yes  
 No  
 NA  
 Unknown
- 7 Is the wellhead properly secured against unauthorized personnel?  
 Yes  
 No  
 NA  
 Unknown

**Sources / Groundwater**

**WELL #2 - (Active) / Pumps:**

- 1 Where does this pumping station pump from and to?
- 2 What type of pump(s) are at this pumping station?
- 3 Is the building and equipment protected from flooding?

**TO SYSTEM AND TANK #1 AND WILDFLOWER TANK.**

- CF - Centrifugal  
 HP - Hand Pump  
 JT - Jet  
 PD - Positive Displacement
- SC - Screw  
 SU - Summersible  
 VT - Vertical Turbine
- Yes  
 No  
 NA  
 Unknown

Question Number

- |      |  |   |
|------|--|---|
| 4    | What is the actual pumping capacity of this well in gallons per minute (GPM)?  | 200   |
|      |  |   |
| 5    | Are cross-connections present in the well discharge piping?  | <input type="checkbox"/> Yes<br><input checked="" type="checkbox"/> No<br><input type="checkbox"/> NA<br><input type="checkbox"/> Unknown     |
| 6    | Is adequate drainage provided?   | <input checked="" type="checkbox"/> Yes<br><input type="checkbox"/> No<br><input type="checkbox"/> NA<br><input type="checkbox"/> Unknown     |
| 7    | Are toxic chemicals, hazardous or flammable materials or lubricants stored inside the pumping station?   | <input type="checkbox"/> Yes<br><input checked="" type="checkbox"/> No<br><input type="checkbox"/> NA<br><input type="checkbox"/> Unknown     |
| 8    | <b>Is the pump discharge line equipped with:</b>   |   |
|      |  |   |
| 8.01 | Pump discharge piping: a smooth-nosed sampling tap?  | <input checked="" type="checkbox"/> Yes<br><input type="checkbox"/> No<br><input type="checkbox"/> NA<br><input type="checkbox"/> Unknown     |
| 8.02 | Pump discharge piping: a positive-acting check valve between the pump and the isolation valve?   | <input checked="" type="checkbox"/> Yes<br><input type="checkbox"/> No<br><input type="checkbox"/> NA<br><input type="checkbox"/> Unknown     |
| 8.03 | Pump discharge piping: pressure gauge?   | <input checked="" type="checkbox"/> Yes<br><input type="checkbox"/> No<br><input type="checkbox"/> NA<br><input type="checkbox"/> Unknown     |
| 8.04 | Pump discharge piping: flow meter?   | <input checked="" type="checkbox"/> Yes<br><input type="checkbox"/> No<br><input type="checkbox"/> NA<br><input type="checkbox"/> Unknown     |
| 8.05 | Pump discharge piping: isolation gate valves?  | <input checked="" type="checkbox"/> Yes<br><input type="checkbox"/> No<br><input type="checkbox"/> NA<br><input type="checkbox"/> Unknown     |
| 9    | <b>Where a well pumps directly into a distribution system, is an air release valve or other means of releasing trapped air located on the pump discharge piping?</b> | <input checked="" type="checkbox"/> Yes<br><input type="checkbox"/> No<br><input type="checkbox"/> NA<br><br><input type="checkbox"/> Unknown |
| 9.01 | Is the discharge line from the air release valve properly downturned?  | <input checked="" type="checkbox"/> Yes<br><input type="checkbox"/> No<br><input type="checkbox"/> NA<br><input type="checkbox"/> Unknown     |
| 9.02 | Is the open end of the air release valve screened with #14 mesh corrosion resistant mesh screen?   | <input checked="" type="checkbox"/> Yes<br><input type="checkbox"/> No<br><input type="checkbox"/> NA<br><input type="checkbox"/> Unknown     |

Question Number

- 9.03 Is the open end of the air release valve terminated an appropriate air gap (minimum of 6 inches) above the ground or pumphouse floor?  Yes  
 No  
 NA  
 Unknown
- 10 Are the correct types of lubricant used (ANSI/NSF 60)?  Yes  
 No  
 NA  
 Unknown
- 11 Is rotating and electrical equipment provided with protective guards?  Yes  
 No  
 NA  
 Unknown

**Sources / Groundwater**

**BRIGHAM FORK - (Active) / Construction:**

- 1 The well casing does NOT extend a minimum of 18 inches above the finished ground surface or 12 inches above the well house floor? (Answer "No" if standard is met)  Yes  
 No  
 NA  
 Unknown
- 1.01 Is the well site in a flood plain or area likely to be flooded?  Yes  
 No  
 NA  
 Unknown
- 2 Is the sanitary seal properly installed and maintained?  Yes  
 No  
 NA  
 Unknown
- 3 Is there a pitless adapter?  Yes  
 No  
 NA  
 Unknown
- 3.01 Does the pitless adapter appear to be water tight including the cap, cover, casing extension and other attachments?  Yes  
 No  
 NA  
 Unknown
- 4 Is the well casing vented?  Yes  
 No  
 NA  
 Unknown
- 4.01 Is the open end of the vent screened with a #14 mesh screen?  Yes  
 No  
 NA  
 Unknown
- 4.02 Is the open end of the vent down-turned?  Yes  
 No  
 NA  
 Unknown
- 4.03 Is the open end of the vent terminated with an appropriate air gap above the ground?  Yes  
 No  
 NA  
 Unknown
- 5 Is there a pump to waste line from the well?  Yes  
 No  
 NA  
 Unknown



Question Number

- 5.01 Does the pump to waste line discharge through an approved air gap?
  - Yes
  - No
  - NA
  - Unknown
- 5.02 Is the pump to waste line equipped with a #4 non-corrodible mesh screen?
  - Yes
  - No
  - NA
  - Unknown
- 5.03 Does the pump to waste line discharge to a sanitary sewer or storm sewer without proper local authorization?
  - Yes
  - No
  - NA
  - Unknown
- 6 Is there a means to measure drawdown?
  - Yes
  - No
  - NA
  - Unknown
- 7 Is the wellhead properly secured against unauthorized personnel?
  - Yes
  - No
  - NA
  - Unknown

**Sources / Groundwater**

**BRIGHAM FORK - (Active) / Pumps:**

- 1 Where does this pumping station pump from and to?
- 2 What type of pump(s) are at this pumping station?
- 3 Is the building and equipment protected from flooding?
- 4 What is the actual pumping capacity of this well in gallons per minute (GPM)?
- 5 Are cross-connections present in the well discharge piping?
- 6 Is adequate drainage provided?
- 7 Are toxic chemicals, hazardous or flammable materials or lubricants stored inside the pumping station?
- 8 Is the pump discharge line equipped with:

TO SYSTEM AND TANK #1 AND WILDFLOWER TANK.

- CF - Centrifugal
- HP - Hand Pump
- JT - Jet
- PD - Positive Displacement
- SC - Screw
- SU - Summersible
- VT - Vertical Turbine
- Yes
- No
- NA
- Unknown
- 300**
- Yes
- No
- NA
- Unknown
- Yes
- No
- NA
- Unknown
- Yes
- No
- NA
- Unknown

Question Number

- 8.01 Pump discharge piping: a smooth-nosed sampling tap?  Yes  
 No  
 NA  
 Unknown
- 8.02 Pump discharge piping: a positive-acting check valve between the pump and the isolation valve?  Yes  
 No  
 NA  
 Unknown
- 8.03 Pump discharge piping: pressure gauge?  Yes  
 No  
 NA  
 Unknown
- 8.04 Pump discharge piping: flow meter?  Yes  
 No  
 NA  
 Unknown
- 8.05 Pump discharge piping: isolation gate valves?  Yes  
 No  
 NA  
 Unknown
- 9 Where a well pumps directly into a distribution system, is an air release valve or other means of releasing trapped air located on the pump discharge piping?  Yes  
 No  
 NA  
 Unknown
- 9.01 Is the discharge line from the air release valve properly downturned?  Yes  
 No  
 NA  
 Unknown
- 9.02 Is the open end of the air release valve screened with #14 mesh corrosion resistant mesh screen?  Yes  
 No  
 NA  
 Unknown
- 9.03 Is the open end of the air release valve terminated an appropriate air gap (minimum of 6 inches) above the ground or pumphouse floor?  Yes  
 No  
 NA  
 Unknown
- 10 Are the correct types of lubricant used (ANSI/NSF 60)?  Yes  
 No  
 NA  
 Unknown
- 11 Is rotating and electrical equipment provided with protective guards?  Yes  
 No  
 NA  
 Unknown

**BRIGHAM WELL - (Active) / General**

**General:**

- 1 Is a schematic of the treatment facility readily available and up to date?  Yes  
 No  
 NA  
 Unknown
- 4 Is there any recycling being performed from waste stream?  Yes  
 No  
 NA  
 Unknown

Question Number

4.01 If yes, where does the recycle water enter the treatment plant?

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**BRIGHAM WELL - (Active) / General**

**Lab/Monitoring:**

- 1 Are laboratory facilities or appropriate test kits available at the plant to enable staff to perform appropriate process control testing?  
 Yes  
 No  
 NA  
 Unknown
- 2 Do all chemical reagents have an unexpired shelf life?  
 Yes  
 No  
 NA  
 Unknown

**BRIGHAM WELL - (Active) / General**

**Chemical Use:**

- 1 Are dry chemicals used?  
 Yes  
 No  
 NA  
 Unknown
- 1.01 Does the dry chemical feeder measure the quantity of chemical fed volumetrically or gravimetrically?  
 volumetrically  
 gravimetrically
- 1.02 Are provisions made for the proper transfer of dry chemicals from shipping containers to storage bins or hoppers, in such a way as to minimize the quantity of dust which may enter the room in which the equipment is installed?  
 Yes  
 No  
 NA  
 Unknown
- 1.03 Are provisions made for disposing of empty bags, drums or barrels by a procedure which will minimize exposure to dusts?  
 Yes  
 No  
 NA  
 Unknown
- 2 Are liquid chemicals used?  
 Yes  
 No  
 NA  
 Unknown
- 2.01 Is cross-connection control provided on the service water lines that feed the solution tanks?  
 Yes  
 No  
 NA  
 Unknown
- 2.02 Do overflow pipes, when provided, have free fall discharge?  
 Yes  
 No  
 NA  
 Unknown
- 2.05 If a motor-driven transfer pump is provided, is a liquid level limit switch and an over-flow from the day tank operable?  
 Yes  
 No  
 NA  
 Unknown
- 2.06 Are there adequate spill containment provisions?  
 Yes  
 No  
 NA  
 Unknown

Question Number

- 2.07 Are acid storage and day tanks provided with separate screened vents?  Yes  
 No  
 NA  
 Unknown
- Notes: THERE ARE NO VENTS.
- 2.08 Is a means provided to measure the solution level in the day tank or storage tank?  Yes  
 No  
 NA  
 Unknown
- 3 Are chemical feeders and pumps operated at no lower than 20 percent of the feed range?  Yes  
 No  
 NA  
 Unknown
- 4 Is an anti-siphon device provided so that liquid chemical solutions cannot be siphoned after the solution feeders into the water supply?  Yes  
 No  
 NA  
 Unknown
- 5 Are tanks and tank refilling line entry points properly labeled to designate the correct chemical ?  Yes  
 No  
 NA  
 Unknown
- 6 Are chemicals stored in covered or unopened shipping containers? (unless the chemical is transferred into an approved storage unit)  Yes  
 No  
 NA  
 Unknown
- 7 Is cross-connection control provided so that no direct connections exist between any sewer and a drain or overflow from the feeder, solution chamber or tank?  Yes  
 No  
 NA  
 Unknown
- 8 Is all chemical feed equipment operable and in good condition?  Yes  
 No  
 NA  
 Unknown
- 9 Are spare parts available for all chemical feeders?  Yes  
 No  
 NA  
 Unknown
- 10 Are the chemical feeders flow paced?  Yes  
 No  
 NA  
 Unknown
- 11 Is there proper anti-siphon protection on each feed pump?  Yes  
 No  
 NA  
 Unknown
- 12 Are feed lines protected against freezing?  Yes  
 No  
 NA  
 Unknown
- 13 Are feed lines made of durable, corrosion-resistant material?  Yes  
 No  
 NA  
 Unknown

Question Number

- 14 Are all chemicals conducted from the feeder to the point of application in separate conduits?  Yes  No  NA  Unknown
- 15 Are incompatible chemicals stored separately?  Yes  No  NA  Unknown
- 16 Do daily operating records reflect chemical dosages and total quantities used?  Yes  No  NA  Unknown  
Notes:
- 17 Are all chemical feeders properly calibrated to ensure accurate feed rates?  Yes  No  NA  Unknown
- 18 Are provisions made for measuring the quantities of chemicals used?  Yes  No  NA  Unknown
- 19 Are acids and caustics kept in closed corrosion-resistant shipping containers or storage units?  Yes  No  NA  Unknown
- 20 Are vents from feeders, storage facilities and equipment exhaust discharged to the outside atmosphere above grade and remote from air intakes?  Yes  No  NA  Unknown  
Notes:
- 21 Are all chemicals and water contact materials approved by an ANSI/NSF accredited organization?  Yes  No  NA  Unknown  
Notes:

**BRIGHAM WELL - (Active) / General**

**Waste Disposal:**

- 1 Are process and plant wastes discharged to anything? If yes explain.  Yes  No  NA  Unknown

**BRIGHAM WELL - (Active) / Chlorination**

**General:**

- 1 During the past year, has the disinfection process operated uninterrupted while water was being produced? If no, describe in comments.  Yes  No  NA  Unknown
- 2 Is the contact time between the point of disinfection and the first customer in compliance with regulatory requirements?  Yes  No  NA  Unknown
- 3 Are spare parts available to replace parts subject to wear and breakage?  Yes  No  NA  Unknown

**Question Number**

- |    |  |   |
|----|--|---|
| 4  | Is there a means to measure the volume of water treated?   | <input checked="" type="checkbox"/> Yes<br><input type="checkbox"/> No<br><input type="checkbox"/> NA<br><input type="checkbox"/> Unknown |
| 5  | What disinfectant residual is maintained at the entry point of the distribution system?  | 0.5<br>_____  |
| 6  | Is at least a trace of residual maintained at all points in the distribution system?   | <input checked="" type="checkbox"/> Yes<br><input type="checkbox"/> No<br><input type="checkbox"/> NA<br><input type="checkbox"/> Unknown |
| 7  | Are chlorine residuals tested at least three times a week in the distribution system?  | <input checked="" type="checkbox"/> Yes<br><input type="checkbox"/> No<br><input type="checkbox"/> NA<br><input type="checkbox"/> Unknown |
| 8  | Are there an adequate number of disinfection residual sample sites and do they provide a representative sample of system conditions? | <input checked="" type="checkbox"/> Yes<br><input type="checkbox"/> No<br><input type="checkbox"/> NA<br><input type="checkbox"/> Unknown |
| 9  | Is chlorine residual testing equipment capable of measuring residuals to the nearest 0.1 milligrams per liter?                       | <input checked="" type="checkbox"/> Yes<br><input type="checkbox"/> No<br><input type="checkbox"/> NA<br><input type="checkbox"/> Unknown |
| 10 | Is the correct reagent used for testing free residual?   | <input checked="" type="checkbox"/> Yes<br><input type="checkbox"/> No<br><input type="checkbox"/> NA<br><input type="checkbox"/> Unknown |

**WELL #2 - (Active) / General**

**General:**

- |      |   |   |
|------|---|---|
| 1    | Is a schematic of the treatment facility readily available and up to date?                                  | <input checked="" type="checkbox"/> Yes<br><input type="checkbox"/> No<br><input type="checkbox"/> NA<br><input type="checkbox"/> Unknown |
|      | Notes: <span style="border: 1px solid black; padding: 2px;">COMPLETED DURING THE SURVEY.</span>             |   |
| 2    | Is a finished water sampling tap provided?  | <input checked="" type="checkbox"/> Yes<br><input type="checkbox"/> No<br><input type="checkbox"/> NA<br><input type="checkbox"/> Unknown |
| 3    | Is the facility performing adequate process control testing consistent with the specific treatment process? | <input checked="" type="checkbox"/> Yes<br><input type="checkbox"/> No<br><input type="checkbox"/> NA<br><input type="checkbox"/> Unknown |
| 4    | Is there any recycling being performed from waste stream?   | <input type="checkbox"/> Yes<br><input type="checkbox"/> No<br><input checked="" type="checkbox"/> NA<br><input type="checkbox"/> Unknown |
| 4.01 | If yes, where does the recycle water enter the treatment plant?   | _____<br>_____  |

**WELL #2 - (Active) / General**

**Lab/Monitoring:**

- 1 Are laboratory facilities or appropriate test kits available at the plant to enable staff to perform appropriate process control testing?  Yes  
 No  
 NA  
 Unknown
- 2 Do all chemical reagents have an unexpired shelf life?  Yes  
 No  
 NA  
 Unknown

**WELL #2 - (Active) / General**

**Chemical Use:**

- 1 Are dry chemicals used?  Yes  
 No  
 NA  
 Unknown
- 1.01 Does the dry chemical feeder measure the quantity of chemical fed volumetrically or gravimetrically?  volumetrically  
 gravimetrically
- 1.02 Are provisions made for the proper transfer of dry chemicals from shipping containers to storage bins or hoppers, in such a way as to minimize the quantity of dust which may enter the room in which the equipment is installed?  Yes  
 No  
 NA  
 Unknown
- 1.03 Are provisions made for disposing of empty bags, drums or barrels by a procedure which will minimize exposure to dusts?  Yes  
 No  
 NA  
 Unknown
- 2 Are liquid chemicals used?  Yes  
 No  
 NA  
 Unknown
- 2.01 Is cross-connection control provided on the service water lines that feed the solution tanks?  Yes  
 No  
 NA  
 Unknown
- 2.02 Do overflow pipes, when provided, have free fall discharge?  
Notes: THERE ARE NO OVERFLOW PIPES.  Yes  
 No  
 NA  
 Unknown
- 2.05 If a motor-driven transfer pump is provided, is a liquid level limit switch and an over-flow from the day tank operable?  
Notes: PUMP NOT MOTOR DRIVEN.  Yes  
 No  
 NA  
 Unknown
- 2.06 Are there adequate spill containment provisions?  Yes  
 No  
 NA  
 Unknown
- 2.07 Are acid storage and day tanks provided with separate screened vents?  Yes  
 No  
 NA  
 Unknown

Question Number

- 2.08 Is a means provided to measure the solution level in the day tank or storage tank?  
Notes: USES DIPPING STICK.
- 3 Are chemical feeders and pumps operated at no lower than 20 percent of the feed range?
- 4 Is an anti-siphon device provided so that liquid chemical solutions cannot be siphoned after the solution feeders into the water supply?
- 5 Are tanks and tank refilling line entry points properly labeled to designate the correct chemical ?
- 6 Are chemicals stored in covered or unopened shipping containers? (unless the chemical is transferred into an approved storage unit)
- 7 Is cross-connection control provided so that no direct connections exist between any sewer and a drain or overflow from the feeder, solution chamber or tank?
- 8 Is all chemical feed equipment operable and in good condition?
- 9 Are spare parts available for all chemical feeders?
- 10 Are the chemical feeders flow paced?
- 11 Is there proper anti-siphon protection on each feed pump?
- 12 Are feed lines protected against freezing?
- 13 Are feed lines made of durable, corrosion-resistant material?
- 14 Are all chemicals conducted from the feeder to the point of application in separate conduits?

- Yes  
 No  
 NA  
 Unknown
- Yes  
 No  
 NA  
 Unknown
- Yes  
 No  
 NA  
 Unknown
- Yes  
 No  
 NA  
 Unknown
- Yes  
 No  
 NA  
 Unknown
- Yes  
 No  
 NA  
 Unknown
- Yes  
 No  
 NA  
 Unknown
- Yes  
 No  
 NA  
 Unknown
- Yes  
 No  
 NA  
 Unknown
- Yes  
 No  
 NA  
 Unknown
- Yes  
 No  
 NA  
 Unknown
- Yes  
 No  
 NA  
 Unknown



Question Number

- 15 Are incompatible chemicals stored separately?  Yes  
 No  
 NA  
 Unknown
- 16 Do daily operating records reflect chemical dosages and total quantities used?  Yes  
 No  
 NA  
 Unknown  
Notes:
- 17 Are all chemical feeders properly calibrated to ensure accurate feed rates?  Yes  
 No  
 NA  
 Unknown  
Notes:
- 18 Are provisions made for measuring the quantities of chemicals used?  Yes  
 No  
 NA  
 Unknown
- 19 Are acids and caustics kept in closed corrosion-resistant shipping containers or storage units?  Yes  
 No  
 NA  
 Unknown
- 20 Are vents from feeders, storage facilities and equipment exhaust discharged to the outside atmosphere above grade and remote from air intakes?  Yes  
 No  
 NA  
 Unknown  
Notes:
- 21 Are all chemicals and water contact materials approved by an ANSI/NSF accredited organization?  Yes  
 No  
 NA  
 Unknown  
Notes:

**WELL #2 - (Active) / General**

**Waste Disposal:**

- 1 Are process and plant wastes discharged to anything? If yes explain.  Yes  
 No  
 NA  
 Unknown

**WELL #2 - (Active) / Chlorination**

**General:**

- 1 During the past year, has the disinfection process operated uninterrupted while water was being produced? If no, describe in comments.  Yes  
 No  
 NA  
 Unknown
- 2 Is the contact time between the point of disinfection and the first customer in compliance with regulatory requirements?  Yes  
 No  
 NA  
 Unknown
- 3 Are spare parts available to replace parts subject to wear and breakage?  Yes  
 No  
 NA  
 Unknown
- 4 Is there a means to measure the volume of water treated?  Yes  
 No  
 NA  
 Unknown

Question Number

- 5 What disinfectant residual is maintained at the entry point of the distribution system? 0.5
- 6 Is at least a trace of residual maintained at all points in the distribution system?  Yes  
 No  
 NA  
 Unknown
- 7 Are chlorine residuals tested at least three times a week in the distribution system?  Yes  
 No  
 NA  
 Unknown
- 8 Are there an adequate number of disinfection residual sample sites and do they provide a representative sample of system conditions?  Yes  
 No  
 NA  
 Unknown
- 9 Is chlorine residual testing equipment capable of measuring residuals to the nearest 0.1 milligrams per liter?  Yes  
 No  
 NA  
 Unknown
- 10 Is the correct reagent used for testing free residual?  Yes  
 No  
 NA  
 Unknown

**Storage / WILDFLOWER TANK - (Active)**

**Design:**

- 1 What is the name of this storage facility? WILDFLOWER TANK
- 2 What is the total capacity for this storage facility in gallons? 1,300,000
- 3 Is the area surrounding the ground-level storage structure graded in a manner that will prevent surface water from standing within 50 feet of it?  Yes  
 No  
 NA  
 Unknown
- 4 Does the storage reservoir have a watertight roof?  Yes  
 No  
 NA  
 Unknown  
Notes: BURIED.
- 5 Is the storage reservoir cover sloped so that water will drain?  Yes  
 No  
 NA  
 Unknown  
Notes: BURIED.

**Storage / WILDFLOWER TANK - (Active)**

**Components:**

- 1 Does the water storage structure have ladders, ladder guards, balcony railings, and safely located entrance hatches provided where applicable?  Yes  
 No  
 NA  
 Unknown

Question Number

- 2 Are air vents present?  Yes  
 No  
 NA  
 Unknown
- 2.01 Air Vents: Turned downward or covered from rain and dust?  Yes  
 No  
 NA  
 Unknown
- 2.02 Air Vents: Terminated at a minimum of 24 to 36 inches above the surface of the storage tank roof?  Yes  
 No  
 NA  
 Unknown
- 2.03 Air Vents: Screened with #14 non-corrodible mesh screen with a larger gauge protection screen (e.g., #4)?  Yes  
 No  
 NA  
 Unknown
- Notes: **THERE IS NOT A LARGER SCREEN OVER THE SMALLER SCREEN BUT A THICK METAL SCREEN IS USED FOR THE SMALLER SCREEN.**
- 3 Are access openings present?  Yes  
 No  
 NA  
 Unknown
- 3.01 Access opening covers at least 4 inches above the tank roof surface (18 inches above any earthen cover)?  Yes  
 No  
 NA  
 Unknown
- 3.02 Access openings: Is the access of the shoe box type with a minimum of a 2 inch overlap?  Yes  
 No  
 NA  
 Unknown
- 3.03 Access openings: Is the lid properly gasketed?  Yes  
 No  
 NA  
 Unknown
- Notes: **THE TANK LID IS TAPED WITH METAL TAPE DURING SURVEY. WHEN SHOEBOX LID IS IN PLACE IT MUST BE GASKETED. CURRENT LID IS GASKETED BUT DID ALLOW INSECTS IN.**
- 4 Are outside access hatches locked?  Yes  
 No  
 NA  
 Unknown
- 5 Are there any roof penetrations that are not sealed? (ie a water level indicator cable)  Yes  
 No  
 NA  
 Unknown
- Notes: **BURIED. NONE AT MANWAY BOX.**
- 6 Are overflow pipes present?  Yes  
 No  
 NA  
 Unknown
- 6.01 Overflow pipes: Terminated 12 to 24 inches above the ground?  Yes  
 No  
 NA  
 Unknown
- 6.02 Overflow pipes: Screened with #4 mesh non-corrodible screen?  Yes  
 No  
 NA  
 Unknown

Question Number

- 6.03 Overflow pipes: Directly connected to a storm sewer or sanitary sewer?  Yes  
 No  
 NA  
 Unknown
- 7 If a drain line is present, is it properly screened with #4 mesh non-corrodible screen?  Yes  
 No  
 NA  
 Unknown
- 8 If a drain line is present, does it discharge through a physical air gap of at least 2 pipe diameters?  Yes  
 No  
 NA  
 Unknown

**Storage / WILDFLOWER TANK - (Active)**

**Maintenance:**

- 1 Are there cracks in the walls or covers of the storage tanks?  Yes  
 No  
 NA  
 Unknown  
Notes: BURIED.
- 1.01 Does the tank show evidence of mild deterioration or spalding? (Answer only once in this section)  Yes  
 No  
 NA  
 Unknown
- 1.02 Does the tank exterior show evidence of moderate deterioration or spalding? (Answer only once in this section)  Yes  
 No  
 NA  
 Unknown
- 1.03 Does the tank show evidence of water leakage such as water marks or stains? (Answer only once in this section)  Yes  
 No  
 NA  
 Unknown
- 1.04 Is the tank leaking? (Answer only once in this section)  Yes  
 No  
 NA  
 Unknown
- 1.05 Is there evidence of possible water intrusion into the tank through cracks or other openings? (Answer only once in this section)  Yes  
 No  
 NA  
 Unknown
- 2 Is the storage structure interior coating or liner peeling or cracked?  Yes  
 No  
 NA  
 Unknown

**Storage / TANK #1 - (Active)**

**Design:**

- 1 What is the name of this storage facility? TANK #1
- 2 What is the total capacity for this storage facility in gallons? 355000

Question Number

- 3 Is the area surrounding the ground-level storage structure graded in a manner that will prevent surface water from standing within 50 feet of it?  Yes  
 No  
 NA  
 Unknown
- 4 Does the storage reservoir have a watertight roof?  Yes  
 No  
 NA  
 Unknown
- Notes: TANK IS BURIED.
- 5 Is the storage reservoir cover sloped so that water will drain?  Yes  
 No  
 NA  
 Unknown

**Storage / TANK #1 - (Active)**

**Components:**

- 1 Does the water storage structure have ladders, ladder guards, balcony railings, and safely located entrance hatches provided where applicable?  Yes  
 No  
 NA  
 Unknown
- 2 Are overflow pipes present?  Yes  
 No  
 NA  
 Unknown
- 2.01 Overflow pipes: Terminated 12 to 24 inches above the ground?  Yes  
 No  
 NA  
 Unknown
- 2.02 Overflow pipes: Screened with #4 mesh non-corrodible screen?  Yes  
 No  
 NA  
 Unknown
- 2.03 Overflow pipes: Directly connected to a storm sewer or sanitary sewer?  Yes  
 No  
 NA  
 Unknown
- 3 Are air vents present?  Yes  
 No  
 NA  
 Unknown
- 3.01 Air Vents: Turned downward or covered from rain and dust?  Yes  
 No  
 NA  
 Unknown
- 3.02 Air Vents: Terminated at a minimum of 24 to 36 inches above the surface of the storage tank roof?  Yes  
 No  
 NA  
 Unknown
- 3.03 Air Vents: Screened with #14 non-corrodible mesh screen with a larger gauge protection screen (e.g., #4)?  Yes  
 No  
 NA  
 Unknown
- 4 Are access openings present?  Yes  
 No  
 NA  
 Unknown

Question Number

- 4.01 Access opening covers at least 4 inches above the tank roof surface (18 inches above any earthen cover)?  Yes  
 No  
 NA  
 Unknown
- 4.02 Access openings: Is the lid properly gasketed?  Yes  
 No  
 NA  
 Unknown
- 4.03 Access openings: Is the access of the shoe box type with a minimum of a 2 inch overlap?  Yes  
 No  
 NA  
 Unknown
- 8 Are outside access hatches locked?  Yes  
 No  
 NA  
 Unknown
- 9 Are there any roof penetrations that are not sealed? (ie: a water level indicator cable)  Yes  
 No  
 NA  
 Unknown  
Notes: **BURIED. NO OBVIOUS PENETRATIONS BY MANWAY.**
- 10 If a drain line is present, is it properly screened with #4 mesh non-corrodible screen?  Yes  
 No  
 NA  
 Unknown  
Notes: **DRAIN SCREEN WAS ADDED DURING THE SURVEY.**
- 11 If a drain line is present, does it discharge through a physical air gap of at least 2 pipe diameters?  Yes  
 No  
 NA  
 Unknown

**Storage / TANK #1 - (Active)**

**Maintenance:**

- 1 Are there cracks in the walls or covers of the storage tanks?  Yes  
 No  
 NA  
 Unknown  
Notes: **BURIED.**
- 1.01 Does the tank exterior show evidence of mild deterioration or spalding? (Answer only once in this section)  Yes  
 No  
 NA  
 Unknown
- 1.02 Does the tank exterior show evidence of moderate deterioration or spalding? (Answer only once in this section)  Yes  
 No  
 NA  
 Unknown
- 1.03 Does the tank show evidence of water leakage such as water marks or stains? (Answer only once in this section)  Yes  
 No  
 NA  
 Unknown
- 1.04 Is the tank leaking? (Answer only once in this section)  Yes  
 No  
 NA  
 Unknown
- 1.05 Is there evidence of possible water intrusion into the tank through cracks or other openings? (Answer only once in this section)  Yes  
 No  
 NA  
 Unknown

Question Number

- 2 Is the storage structure interior coating or liner peeling or cracked?  Yes  
 No  
 NA  
 Unknown

**DISTRIBUTION SYSTEM - (Active) / Design**

- 1 Do all water mains (installed after 1995) that provide fire flow have a diameter of at least 8 inches? ( If no new lines have been added after 1995 answer "yes")  Yes  
 No  
 NA  
 Unknown
- 2 Was asbestos/cement pipe used in the system?  Yes  
 No  
 NA  
 Unknown
- 2.1 Has an asbestos analysis been done?  Yes  
 No  
 NA  
 Unknown

**DISTRIBUTION SYSTEM - (Active) / Pressure/Flow**

- 1 Is the PWS capable of providing sufficient water during maximum hourly demand conditions to maintain a minimum pressure of 20 psi within the system measured at all points of connections during normal system operation?  Yes  
 No  
 NA  
 Unknown
- 2 Was the system constructed or new portions added after January 1, 2007.  Yes  
 No  
 NA  
 Unknown
- 2.01 Does the system maintain at all points of connection the following pressures:  
(a) 20 psi during conditions of fire flow and fire demand experienced during peak day demand; (b) 30 psi during peak instantaneous demand; and (c) 40 psi during peak day demand.  Yes  
 No  
 NA  
 Unknown

**DISTRIBUTION SYSTEM - (Active) / Air & Vacuum Release Valves**

- 1 Are air and vacuum release valves used in the system?  Yes  
 No  
 NA  
 Unknown  
Notes: ALL AIR VACS WERE ASSESSED INCLUDING PHASE II.
- 1.01 Is the vent line properly screened (#14 mesh) and down turned?  Yes  
 No  
 NA  
 Unknown  
Notes: SCREEN ON THE AIR VAC BELOW WILDFLOWER AND JUST BELOW TROUT LANE BY THE TREE WERE ADDED DURING THE SURVEY. AIR VAC AT TROUT LANE WAS ALSO DOWN TURNED.
- 1.02 Does the discharge piping on all air relief valves extend a proper distance above ground and flood level?  Yes  
 No  
 NA  
 Unknown

Question Number

- 1.03 Does the valve chamber have a drain or adequate sump?  Yes  
 No  
 NA  
 Unknown
- 1.04 Does the valve chamber show evidence of flooding?  Yes  
 No  
 NA  
 Unknown
- 1.05 Is the chamber flooded at the time of the inspection?  Yes  
 No  
 NA  
 Unknown

**DISTRIBUTION SYSTEM - (Active) / Cross-Connections**

- 1 Does any portion of the distribution system cross under any surface water body?  Yes  
 No  
 NA  
 Unknown
- 1.01 Were all the following precautions taken?  
A min. of 2 ft of cover over the pipe; and if the crossing is greater than 15 ft: special construction with restrained joints; valves at each side for pipeline isolation; and permanent taps to allow leakage testing.  
Notes: OLDER PIPING AND NO WRITTEN HISTORY OF WHAT IS THERE.  Unknown
- 3 Does the water system have a program to control the use of fire hydrants?  Yes  
 No  
 NA  
 Unknown
- 4 Are blow offs connected to sanitary or storm sewers or do they exit below flood level in ditches or streams?  Yes  
 No  
 NA  
 Unknown

**DISTRIBUTION SYSTEM - (Active) / Disinfection**

- 1 Does your water facility disinfection procedures meet the AWWA C-601, 602, 651, 652 Standards for disinfection?  Yes  
 No  
 NA  
 Unknown