

**DRINKING WATER BOARD  
BOARD PACKET FOR CONSTRUCTION LOAN**

**APPLICANT'S REQUEST:**

Fairfield has a project consisting of a new water well, storage tank, pump station and treatment facility as well as meter upgrades. The cost of the project is estimated at \$1,180,000. The applicant plans to contribute \$20,000 toward the project. Currently they only have 20 connections, and anticipate receiving subsidization from the town's general fund. A General Obligation bond would likely be issued rather than a water revenue bond. They scored 32.2 points on the project priority list.

**STAFF COMMENTS:**

The local MAGI for Fairfield is \$35,766 (88% of the state MAGI), but their after project water bill is over 4% of the local MAGI. Therefore they do qualify as a hardship community to receive principle forgiveness, reduced interest rate, and an extended year term. They have recently raised their water rates to \$55 or 1.90% local MAGI.

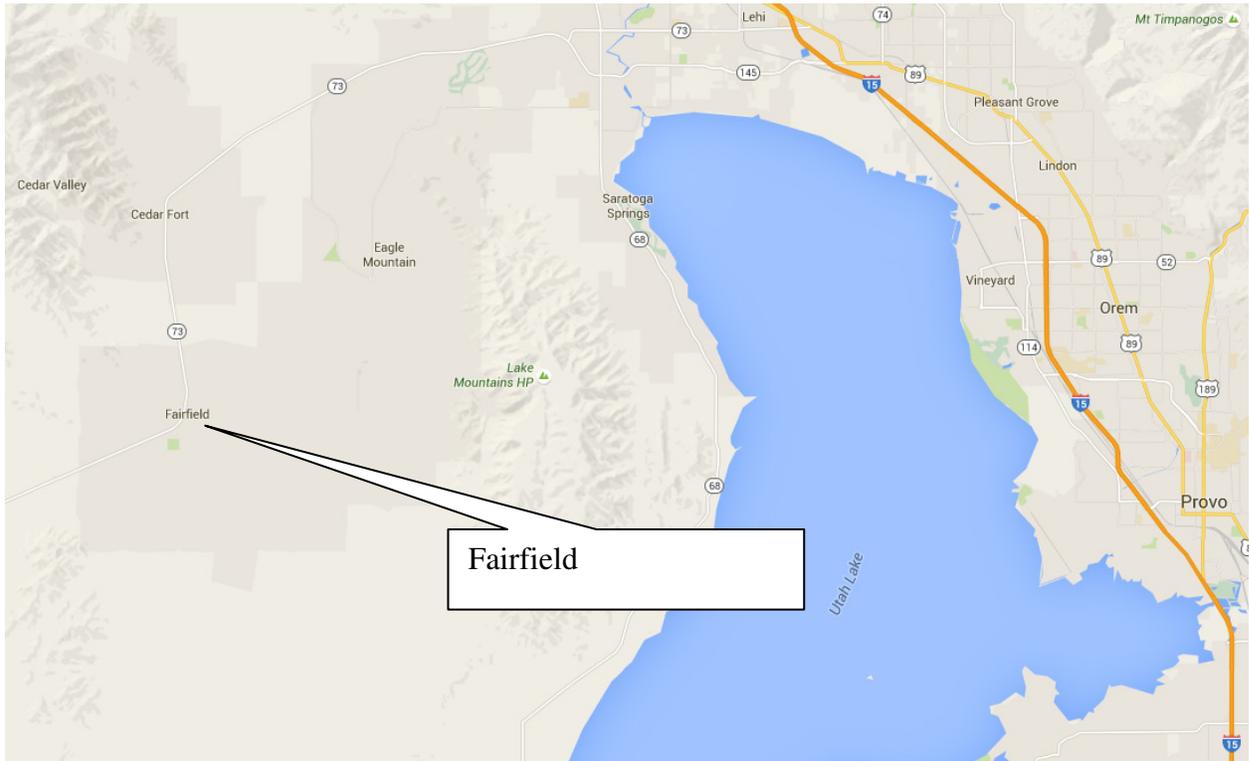
**FINANCIAL ASSISTANCE COMMITTEE RECOMMENDATION:**

The Financial Assistance Committee recommend to the Drinking Water Board to authorize \$1,160,000 with an interest rate of 0% for 30 years and \$580,000 in Principle Forgiveness. The repayable amount would be \$580,000. Conditions include that they resolve all issues on their compliance report.

**APPLICANT'S LOCATION:**

Fairfield is located in Utah County approximately 20 miles west of Lehi.

**MAP OF APPLICANT'S LOCATION:**



**PROJECT DESCRIPTION:**

The project consists of a new 300-500 gpm well (they currently have only a spring as their sole source of drinking water), a new 300,000 gallon storage tank, new pump station and new automated treatment facility as well as meter upgrades

**POPULATION GROWTH:**

According to their application, Fairfield is expected to grow at an average annual rate of change of 4.5% over the next 20 years. Projected populations and number of connections are shown in the table below:

| Year | Population | Connections |
|------|------------|-------------|
| 2015 | 123        | 20          |
| 2020 | 151        | 29          |
| 2025 | 185        | 40          |
| 2030 | 227        | 53          |
| 2035 | 277        | 69          |

**IMPLEMENTATION SCHEDULE:**

|                               |          |
|-------------------------------|----------|
| FA Committee Conference Call: | Dec 2015 |
| DWB Funding Authorization:    | Jan 2015 |
| Complete Design:              | Feb 2016 |
| Plan Approval:                | Feb 2016 |
| Advertise for Bids:           | Mar 2016 |
| Begin Construction:           | Mar 2016 |
| Complete Construction:        | Jun 2016 |
| Receive Operating Permit:     | Jul 2016 |

**COST ESTIMATE:**

|                                |                    |
|--------------------------------|--------------------|
| Legal – Bonding, Admin         | \$11,300           |
| Engineering- Plan, Design, CMS | \$90,000           |
| Construction – Pump Station    | \$311,000          |
| Construction – Well            | \$260,000          |
| Construction – Storage Tank    | \$432,050          |
| Construction – Meters          | \$20,000           |
| Contingency                    | \$50,000           |
| DDW Admin Fee                  | \$0                |
| <b>Total Project Cost</b>      | <b>\$1,180,000</b> |

**COST ALLOCATION:**

The cost allocation proposed for the project is shown below:

| <u>Funding Source</u> | <u>Cost Sharing</u> | <u>Percent of Project</u> |
|-----------------------|---------------------|---------------------------|
| DWB Loan ( 0%, 30-yr) | \$580,000           | 49.2%                     |
| DWB Grant             | \$580,000           | 49.2%                     |
| Self-Contribution     | \$20,000            | 1.7%                      |

**ESTIMATED ANNUAL COST OF WATER SERVICE:**

|                                   |          |
|-----------------------------------|----------|
| Operation and Maintenance         | \$6,940  |
| Existing DW Debt Service          | \$0      |
| DDW Debt Service (0%, 30 yrs):    | \$19,333 |
| DDW Debt Reserve (10%):           | \$1,933  |
| DDW Coverage (15%):               | \$2,900  |
| Replacement Reserve Account (5%): | n/a      |
| Annual Cost/ERC:                  | \$1,555  |
| Monthly Cost/ERC:                 | \$129.61 |
| Cost as % MAGI:                   | 4.35%    |

**CONTACT INFORMATION:**

|   |   |
|---|---|
| APPLICANT:                              | Fairfield Culinary Water System<br>PO Box 271<br>Cedar Fort, Utah 84013<br>801-766-3509                               |
| PRESIDING OFFICIAL &<br>CONTACT PERSON: | Peter Lawrence<br>Mayor Pro-Tem<br>PO Box 258<br>Cedar Fort, Utah 84013<br>801-602-7795<br>prlawrence22@gmail.com     |
| CONSULTING ENGINEER:                    | Ryan Taylor<br>Epic Engineering<br>50 East 100 South<br>Heber City, Utah 84032<br>435-654-6600<br>rtaylor@epiceng.net |
| RECORDER:                               | David Hansen<br>801-768-3716  |
| FINANCIAL CONSULTANT:                   | n/a   |
| CITY ATTORNEY:                          | n/a   |
| BOND ATTORNEY:                          | n/a   |

## DRINKING WATER BOARD FINANCIAL ASSISTANCE EVALUATION

SYSTEM NAME: Fairfield  
 COUNTY: Sanpete  
 PROJECT DESCRIPTION: new well, tank, pump station, treatment

FUNDING SOURCE: Federal SRF

### 50 % Loan & 50 % P.F.

|                         |           |                     |      |                  |             |
|-------------------------|-----------|---------------------|------|------------------|-------------|
| ESTIMATED POPULATION:   | 123       | NO. OF CONNECTIONS: | 20 * | SYSTEM RATING:   | APPROVED    |
| CURRENT AVG WATER BILL: | \$44.05 * |                     |      | PROJECT TOTAL:   | \$1,180,000 |
| CURRENT % OF AGI:       | 1.48%     | FINANCIAL PTS:      | 51   | LOAN AMOUNT:     | \$580,000   |
| ESTIMATED MEDIAN AGI:   | \$35,766  |                     |      | PRINC. FORGIVE.: | \$580,000   |
| STATE AGI:              | \$40,489  |                     |      | TOTAL REQUEST:   | \$1,160,000 |
| SYSTEM % OF STATE AGI:  | 88%       |                     |      |                  |             |

|  | @ ZERO %<br>RATE<br>0% | @ RBBI<br>MKT RATE<br>4.05% |  | AFTER REPAYMENT<br>PENALTY & POINTS<br>2.48% |
|--|------------------------|-----------------------------|--|--|
| <b><u>SYSTEM</u></b>                   |                        |                             |  |  |
| ASSUMED LENGTH OF DEBT, YRS:           | 30                     | 30                          |  | 30   |
| ASSUMED NET EFFECTIVE INT. RATE:       | 0.00%                  | 4.05%                       |  | 2.48%  |
| REQUIRED DEBT SERVICE:                 | \$19,333.33            | \$33,745.38                 |  | \$27,637.19                                  |
| *PARTIAL COVERAGE (15%):               | \$2,900.00             | \$5,061.81                  |  | \$4,145.58                                   |
| *ADD. COVERAGE AND RESERVE (10%):      | \$1,933.33             | \$3,374.54                  |  | \$2,763.72                                   |
| <b>ANNUAL NEW DEBT PER CONNECTION:</b> | <b>\$1,208.33</b>      | <b>\$2,109.09</b>           |  | <b>\$1,727.32</b>                            |
| <br>                                   |                        |                             |  |  |
| O & M + FUNDED DEPRECIATION:           | \$6,940.00             | \$6,940.00                  |  | \$6,940.00                                   |
| OTHER DEBT + COVERAGE:                 | \$0.00                 | \$0.00                      |  | \$0.00                                       |
| REPLACEMENT RESERVE ACCOUNT:           | \$0.00                 | \$0.00                      |  | \$0.00                                       |
| <b>ANNUAL EXPENSES PER CONNECTION:</b> | <b>\$347.00</b>        | <b>\$347.00</b>             |  | <b>\$347.00</b>                              |
| <br>                                   |                        |                             |  |  |
| TOTAL SYSTEM EXPENSES                  | \$31,106.67            | \$49,121.73                 |  | \$41,486.48                                  |
| TAX REVENUE:                           | \$0.00                 | \$0.00                      |  | \$0.00                                       |
| <br>                                   |                        |                             |  |  |
| <b><u>RESIDENCE</u></b>                |                        |                             |  |  |
| MONTHLY NEEDED WATER BILL:             | \$129.61               | \$204.67                    |  | \$172.86                                     |
| <br>                                   |                        |                             |  |  |
| % OF ADJUSTED GROSS INCOME:            | 4.35%                  | 6.87%                       |  | 5.80%  |

\* Equivalent Residential Connections

# R309-700-5

Fairfield

Sanpete

December 1, 2015

## TABLE 2 FINANCIAL CONSIDERATIONS

|   | POINTS     |   |
|---|------------|---|
| 1. COST EFFECTIVENESS RATIO (SELECT ONE)  |            |   |
| A. Project cost \$0 to \$500 per benefitting connection   | 16         |   |
| B. \$501 to \$1,500   | 14         |   |
| C. \$1,501 to \$2,000   | 11         |   |
| D. \$2,001 to \$3,000   | 8          |   |
| E. \$3,001 to \$5,000   | 4          |   |
| F. \$5,001 to \$10,000  | 1          |   |
| G. Over \$10,000  | 0          | X |
|   | \$59,000   |   |
| 2. CURRENT LOCAL MEDIAN ADJUSTED GROSS INCOME (AGI) (SELECT ONE)  |            |   |
| A. Less than 70% of State Median AGI  | 19         |   |
| B. 71 to 80% of State Median AGI  | 16         |   |
| C. 81 to 95% of State Median AGI  | 13         | X |
| D. 96 to 110% of State Median AGI   | 9          |   |
| E. 111 to 130% of State Median AGI  | 6          |   |
| E. 131 to 150% of State Median AGI  | 3          |   |
| F. Greater than 150% of State Median AGI  | 0          |   |
|   | 88%        |   |
| 3. PROJECT FUNDING CONTRIBUTED BY APPLICANT (SELECT ONE)  |            |   |
| a. Greater than 25% of project funds  | 17         |   |
| b. 15 to 25% of project funds   | 14         |   |
| c. 10 to 15% of project funds   | 11         |   |
| c. 5 to 10% of project funds  | 8          |   |
| d. 2 to 5% of project funds   | 4          |   |
| e. Less than 2% of project funds  | 0          | X |
|   | 1.7%       |   |
| 4. ABILITY TO REPAY LOAN  |            |   |
| 4. WATER BILL (INCLUDING TAXES) AFTER PROJECT IS BUILT RELATIVE TO LOCAL MEDIAN ADJUSTED GROSS INCOME (SELECT ONE)  |            |   |
| a. Greater than 2.50% of local median AGI   | 16         | X |
| b. 2.01 to 2.50% of local median AGI  | 12         |   |
| c. 1.51 to 2.00% of local median AGI  | 8          |   |
| d. 1.01 to 1.50% of local median AGI  | 3          |   |
| e. 0 to 1.00% of local median AGI   | 0          |   |
|   | 5.80%      |   |
| 5. SPECIAL INCENTIVE POINTS Applicant: (Mark all that apply)  |            |   |
| A. has a replacement fund receiving annual deposits of 5% of the system's drinking water budget been established, and has already accumulated a minimum of 10% of said annual DW budget in this reserve fund. | 5          |   |
| B. Has a replacement fund equal to at least 15% or 20% of annual DW budget.   | 5          |   |
| C. Is creating or enhancing a regionalization plan  | 16         | X |
| D. Has a rate structure encouraging conservation  | 6          | X |
| <b>TOTAL POINTS FOR FINANCIAL NEED</b>  | <b>51</b>  |   |
| <b>TOTAL POSSIBLE POINTS FOR FINANCIAL NEED</b>   | <b>100</b> |   |

Fairfield

PROPOSED BOND REPAYMENT SCHEDULE

50 % Loan & 50 % P.F.

|                |              |                          |              |
|----------------|--------------|--------------------------|--------------|
| PRINCIPAL      | \$580,000.00 | ANTICIPATED CLOSING DATE | 15-Mar-16    |
| INTEREST       | 0.00%        | FIRST P&I PAYMENT DUE    | 15-Mar-17    |
| TERM           | 30           | REVENUE BOND             |              |
| NOMIN. PAYMENT | \$19,333.33  | PRINC. FORGIVE.:         | \$580,000.00 |

| YEAR | BEGINNING BALANCE | DATE OF PAYMENT | PAYMENT      | PRINCIPAL    | INTEREST | ENDING BALANCE | PAYM NO. |
|------|-------------------|-----------------|--------------|--------------|----------|----------------|----------|
| 2016 | \$580,000.00      |                 | \$0.00 *     | \$0.00       | \$0.00   | \$580,000.00   | 0        |
| 2017 | \$580,000.00      |                 | \$15,000.00  | \$15,000.00  | \$0.00   | \$565,000.00   | 1        |
| 2018 | \$565,000.00      |                 | \$16,000.00  | \$16,000.00  | \$0.00   | \$549,000.00   | 2        |
| 2019 | \$549,000.00      |                 | \$17,000.00  | \$17,000.00  | \$0.00   | \$532,000.00   | 3        |
| 2020 | \$532,000.00      |                 | \$18,000.00  | \$18,000.00  | \$0.00   | \$514,000.00   | 4        |
| 2021 | \$514,000.00      |                 | \$19,000.00  | \$19,000.00  | \$0.00   | \$495,000.00   | 5        |
| 2022 | \$495,000.00      |                 | \$19,000.00  | \$19,000.00  | \$0.00   | \$476,000.00   | 6        |
| 2023 | \$476,000.00      |                 | \$19,000.00  | \$19,000.00  | \$0.00   | \$457,000.00   | 7        |
| 2024 | \$457,000.00      |                 | \$19,000.00  | \$19,000.00  | \$0.00   | \$438,000.00   | 8        |
| 2025 | \$438,000.00      |                 | \$19,000.00  | \$19,000.00  | \$0.00   | \$419,000.00   | 9        |
| 2026 | \$419,000.00      |                 | \$19,000.00  | \$19,000.00  | \$0.00   | \$400,000.00   | 10       |
| 2027 | \$400,000.00      |                 | \$19,000.00  | \$19,000.00  | \$0.00   | \$381,000.00   | 11       |
| 2028 | \$381,000.00      |                 | \$19,000.00  | \$19,000.00  | \$0.00   | \$362,000.00   | 12       |
| 2029 | \$362,000.00      |                 | \$19,000.00  | \$19,000.00  | \$0.00   | \$343,000.00   | 13       |
| 2030 | \$343,000.00      |                 | \$19,000.00  | \$19,000.00  | \$0.00   | \$324,000.00   | 14       |
| 2031 | \$324,000.00      |                 | \$19,000.00  | \$19,000.00  | \$0.00   | \$305,000.00   | 15       |
| 2032 | \$305,000.00      |                 | \$19,000.00  | \$19,000.00  | \$0.00   | \$286,000.00   | 16       |
| 2033 | \$286,000.00      |                 | \$19,000.00  | \$19,000.00  | \$0.00   | \$267,000.00   | 17       |
| 2034 | \$267,000.00      |                 | \$20,000.00  | \$20,000.00  | \$0.00   | \$247,000.00   | 18       |
| 2035 | \$247,000.00      |                 | \$20,000.00  | \$20,000.00  | \$0.00   | \$227,000.00   | 19       |
| 2036 | \$227,000.00      |                 | \$20,000.00  | \$20,000.00  | \$0.00   | \$207,000.00   | 20       |
| 2037 | \$207,000.00      |                 | \$20,000.00  | \$20,000.00  | \$0.00   | \$187,000.00   | 21       |
| 2038 | \$187,000.00      |                 | \$20,000.00  | \$20,000.00  | \$0.00   | \$167,000.00   | 22       |
| 2039 | \$167,000.00      |                 | \$20,000.00  | \$20,000.00  | \$0.00   | \$147,000.00   | 23       |
| 2040 | \$147,000.00      |                 | \$20,000.00  | \$20,000.00  | \$0.00   | \$127,000.00   | 24       |
| 2041 | \$127,000.00      |                 | \$20,000.00  | \$20,000.00  | \$0.00   | \$107,000.00   | 25       |
| 2042 | \$107,000.00      |                 | \$20,000.00  | \$20,000.00  | \$0.00   | \$87,000.00    | 26       |
| 2043 | \$87,000.00       |                 | \$21,000.00  | \$21,000.00  | \$0.00   | \$66,000.00    | 27       |
| 2044 | \$66,000.00       |                 | \$22,000.00  | \$22,000.00  | \$0.00   | \$44,000.00    | 28       |
| 2045 | \$44,000.00       |                 | \$22,000.00  | \$22,000.00  | \$0.00   | \$22,000.00    | 29       |
| 2046 | \$22,000.00       |                 | \$22,000.00  | \$22,000.00  | \$0.00   | \$0.00         | 30       |
|      |                   |                 | \$373,000.00 | \$373,000.00 | \$0.00   |                |          |

\*Interest Only Payment

# Fairfield

## DWB Loan Terms

|                       |    |         |
|-----------------------|----|---------|
| Local Share (total):  | \$ | 20,000  |
| Other Agency Funding: | \$ | -       |
| DWB Grant Amount:     | \$ | 580,000 |
| DWB Loan Amount:      | \$ | 580,000 |
| DWB Loan Term:        |    | 30      |
| DWB Loan Interest:    |    | 2.48%   |
| DWB Loan Payment:     | \$ | 27,637  |

## DW Expenses (Estimated)

|                                 |    |           |
|---------------------------------|----|-----------|
| Proposed Facility Capital Cost: | \$ | 1,180,000 |
| Existing Facility O&M Expense:  | \$ | 6,940     |
| Proposed Facility O&M Expense:  | \$ | 6,940     |
| O&M Inflation Factor:           |    | 1.0%      |
| Existing Debt Service:          | \$ | -         |

## DW Revenue Sources (Projected)

|                                     |    |        |
|-------------------------------------|----|--------|
| Beginning Cash:                     | \$ | -      |
| Existing Customers (ERC):           |    | 20     |
| Projected Growth Rate:              |    | 4.5%   |
| Impact Fee/Connection Fee:          | \$ | 3,600  |
| Current Monthly User Charge:        | \$ | 44.05  |
| Needed Average Monthly User Charge: | \$ | 172.86 |

## DW Revenue Projections

| Yr | Growth Rate (%) | Annual Growth (ERC) | Total Users (ERC) | User Charge Revenue | Impact Fee Revenue | Property Tax Revenue | Total Revenue | DWB Loan Repayment | DWB Loan Reserves | Remaining Principal | Principal Payment | Interest Payment | Existing DW Debt Service | O&M Expenses | Total Expenses | Debt Service Ratio |
|----|-----------------|---------------------|-------------------|---------------------|--------------------|----------------------|---------------|--------------------|-------------------|---------------------|-------------------|------------------|--------------------------|--------------|----------------|--------------------|
| 0  | 4.5%            | 1                   | 20                | 10,572              | 3,600              | -                    | 14,172        | -                  | -                 | 580,000             | -                 | -                | -                        | 6,940        | 6,940          | -                  |
| 1  | 4.5%            | 1                   | 21                | 43,561              | 3,600              | -                    | 47,161        | 15,000             | 1,933             | 567,000             | 13,000            | 14,384           | -                        | 6,940        | 23,873         | 2.68               |
| 2  | 4.5%            | 1                   | 22                | 45,635              | 3,600              | -                    | 49,235        | 16,000             | 1,933             | 553,000             | 14,000            | 14,062           | -                        | 7,009        | 24,943         | 2.64               |
| 3  | 4.5%            | 1                   | 23                | 47,709              | 3,600              | -                    | 51,309        | 17,000             | 1,933             | 539,000             | 14,000            | 13,714           | -                        | 7,079        | 26,013         | 2.60               |
| 4  | 4.5%            | 1                   | 24                | 49,784              | 3,600              | -                    | 53,384        | 18,000             | 1,933             | 525,000             | 14,000            | 13,367           | -                        | 7,150        | 27,084         | 2.57               |
| 5  | 4.5%            | 1                   | 25                | 51,858              | 3,600              | -                    | 55,458        | 19,000             | 1,933             | 510,000             | 15,000            | 13,020           | -                        | 7,222        | 28,155         | 2.54               |
| 6  | 4.5%            | 1                   | 26                | 53,932              | 3,600              | -                    | 57,532        | 19,000             | 1,933             | 495,000             | 15,000            | 12,648           | -                        | 7,294        | 28,227         | 2.64               |
| 7  | 4.5%            | 1                   | 27                | 56,007              | 3,600              | -                    | 59,607        | 19,000             | 1,933             | 480,000             | 15,000            | 12,276           | -                        | 7,367        | 28,300         | 2.75               |
| 8  | 4.5%            | 1                   | 28                | 58,081              | 3,600              | -                    | 61,681        | 19,000             | 1,933             | 464,000             | 16,000            | 11,904           | -                        | 7,441        | 28,374         | 2.85               |
| 9  | 4.5%            | 2                   | 30                | 62,230              | 7,200              | -                    | 69,430        | 19,000             | 1,933             | 448,000             | 16,000            | 11,507           | -                        | 7,515        | 28,448         | 3.26               |
| 10 | 4.5%            | 1                   | 31                | 64,304              | 3,600              | -                    | 67,904        | 19,000             | 1,933             | 431,000             | 17,000            | 11,110           | -                        | 7,590        | 28,524         | 3.17               |
| 11 | 4.5%            | 1                   | 32                | 66,378              | 3,600              | -                    | 69,978        | 19,000             |                   | 414,000             | 17,000            | 10,689           | -                        | 7,666        | 26,666         | 3.28               |
| 12 | 4.5%            | 2                   | 34                | 70,527              | 7,200              | -                    | 77,727        | 19,000             |                   | 397,000             | 17,000            | 10,267           | -                        | 7,743        | 26,743         | 3.68               |
| 13 | 4.5%            | 1                   | 35                | 72,601              | 3,600              | -                    | 76,201        | 19,000             |                   | 379,000             | 18,000            | 9,846            | -                        | 7,820        | 26,820         | 3.60               |
| 14 | 4.5%            | 2                   | 37                | 76,750              | 7,200              | -                    | 83,950        | 19,000             |                   | 361,000             | 18,000            | 9,399            | -                        | 7,898        | 26,898         | 4.00               |
| 15 | 4.5%            | 2                   | 39                | 80,899              | 7,200              | -                    | 88,099        | 19,000             |                   | 342,000             | 19,000            | 8,953            | -                        | 7,977        | 26,977         | 4.22               |
| 16 | 4.5%            | 1                   | 40                | 82,973              | 3,600              | -                    | 86,573        | 19,000             |                   | 323,000             | 19,000            | 8,482            | -                        | 8,057        | 27,057         | 4.13               |
| 17 | 4.5%            | 2                   | 42                | 87,122              | 7,200              | -                    | 94,322        | 19,000             |                   | 303,000             | 20,000            | 8,010            | -                        | 8,138        | 27,138         | 4.54               |
| 18 | 4.5%            | 2                   | 44                | 91,270              | 7,200              | -                    | 98,470        | 20,000             |                   | 283,000             | 20,000            | 7,514            | -                        | 8,219        | 28,219         | 4.51               |
| 19 | 4.5%            | 2                   | 46                | 95,419              | 7,200              | -                    | 102,619       | 20,000             |                   | 262,000             | 21,000            | 7,018            | -                        | 8,301        | 28,301         | 4.72               |
| 20 | 4.5%            | 2                   | 48                | 99,568              | 7,200              | -                    | 106,768       | 20,000             |                   | 241,000             | 21,000            | 6,498            | -                        | 8,384        | 28,384         | 4.92               |
| 21 | 4.5%            | 2                   | 50                | 103,716             | 7,200              | -                    | 110,916       | 20,000             |                   | 219,000             | 22,000            | 5,977            | -                        | 8,468        | 28,468         | 5.12               |
| 22 | 4.5%            | 3                   | 53                | 109,939             | 10,800             | -                    | 120,739       | 20,000             |                   | 197,000             | 22,000            | 5,431            | -                        | 8,553        | 28,553         | 5.61               |
| 23 | 4.5%            | 2                   | 55                | 114,088             | 7,200              | -                    | 121,288       | 20,000             |                   | 174,000             | 23,000            | 4,886            | -                        | 8,638        | 28,638         | 5.63               |
| 24 | 4.5%            | 3                   | 58                | 120,311             | 10,800             | -                    | 131,111       | 20,000             |                   | 151,000             | 23,000            | 4,315            | -                        | 8,725        | 28,725         | 6.12               |
| 25 | 4.5%            | 2                   | 60                | 124,459             | 7,200              | -                    | 131,659       | 20,000             |                   | 127,000             | 24,000            | 3,745            | -                        | 8,812        | 28,812         | 6.14               |
| 26 | 4.5%            | 3                   | 63                | 130,682             | 10,800             | -                    | 141,482       | 20,000             |                   | 103,000             | 24,000            | 3,150            | -                        | 8,900        | 28,900         | 6.63               |
| 27 | 4.5%            | 3                   | 66                | 136,905             | 10,800             | -                    | 147,705       | 21,000             |                   | 78,000              | 25,000            | 2,554            | -                        | 8,989        | 29,989         | 6.61               |
| 28 | 4.5%            | 3                   | 69                | 143,128             | 10,800             | -                    | 153,928       | 22,000             |                   | 53,000              | 25,000            | 1,934            | -                        | 9,079        | 31,079         | 6.58               |
| 29 | 4.5%            | 3                   | 72                | 149,351             | 10,800             | -                    | 160,151       | 22,000             |                   | 27,000              | 26,000            | 1,314            | -                        | 9,170        | 31,170         | 6.86               |
| 30 | 4.5%            | 3                   | 75                | 155,574             | 10,800             | -                    | 166,374       | 22,000             |                   | -                   | 27,000            | 670              | -                        | 9,261        | 31,261         | 7.14               |

Total Paid in Debt Service = 580,000      248,645

# Utah Department Of Environmental Quality

## Division Of Drinking Water

|  |                          |                         |                   |               |
|--|--------------------------|-------------------------|-------------------|---------------|
| <b>FAIRFIELD CULINARY WATER SYSTEM</b> | <b>PWS ID: UTAH25011</b> | <b>Rating: Approved</b> | <b>04/03/2014</b> | <b>Active</b> |
|--|--------------------------|-------------------------|-------------------|---------------|

**Legal Contact****Site Updates****Consumptive Use Zone**

|  |   |  |
|--|---|--|
| TOWN OF FAIRFIELD<br>DAVID A HANSEN<br>PO BOX 271<br>CEDAR VALLEY, UT 84013<br>Phone: 801-766-3509<br>County: UTAH COUNTY<br>System Type: Community<br>Population: 120 | Last Inventory Update: 12/09/2015<br>Last Surveyor Update: 11/20/2015<br>Surveyor: CRAIG SCOTT BOSTOCK<br>Operating Period: 1/1 - 12/31<br>Last IPS Update: 12/10/2015 07:00:00 | Irrigation Zone: 4<br>Date: 02/15/2013 |
|--|---|--|

**Admin Contacts**

| Name            | Title | Office       | Emergency    | Email |
|-----------------|-------|--------------|--------------|-------|
| HANSEN, DAVID A |       | 801-766-3509 | 801-885-5280 |       |

### Inventory Report

**Service Connections**

| Type        | Meter Type | Meter Size | # Of Connections              |
|-------------|------------|------------|-------------------------------|
| Residential | Unmetered  | 0          | 18                            |
|             |            |            | Total Service Connections: 18 |

**Treatment Plants**

| ID    | Plant Name                       | Bin | Status | Date | Design Cap | Status |
|-------|----------------------------------|-----|--------|------|------------|--------|
| TP001 | FAIRFIELD SPRING HYPOCHLORINATOR | 0   |        |      |            | Active |

**Treatment Purposes**

DISINFECTION

**Storage**

| ID    | Name      | Type   | Effective Volume                    | Material | Status | Status Reason     |
|-------|-----------|--------|-------------------------------------|----------|--------|-------------------|
| ST001 | 160K TANK | Ground | 160,000 GAL                         | Concrete | Active | Op Issued - Check |
|       |           |        | Total Effective Volume: 160,000 GAL |          |        |                   |

**Sources**

| ID    | Source Name      | Status | Reason | Source Type | Water Type  | Period Of Operation |
|-------|------------------|--------|--------|-------------|-------------|---------------------|
| WS001 | FAIRFIELD SPRING | Active |        | Spring      | Groundwater | 1/1 - 12/31         |

**Site Visit History**

| Date Visited | Survey Type               | Surveyor      | Notified Date | Next Inspection |
|--------------|---------------------------|---------------|---------------|-----------------|
| 03/28/2006   | Sanitary Survey, Finished | SURVEYOR, DDW |               |                 |

|            |                           |                |            |            |
|------------|---------------------------|----------------|------------|------------|
| 03/28/2006 | Site Inspection           |                | 03/28/2006 |            |
| 09/22/2009 | Sanitary Survey, Finished | KEERS, PETER T | 09/23/2009 | 09/30/2015 |
| 10/03/2012 | Sanitary Survey, Finished | ROSS, LANTY    | 12/14/2012 | 09/30/2015 |
| 11/20/2015 | Sanitary Survey, Finished |                | 11/20/2015 |            |

# Bacterial Summary Report

## Routine Bacteriological Sampling Requirements

| Sample Reuired    | Schedule Begin | Schedule End | Operation Begin | Operation End |
|-------------------|----------------|--------------|-----------------|---------------|
| 1/Monthly/Routine | 11/01/2011     |              | 1/1             | 12/31         |

## Total Coliform Sample History

11/01/2014 - 12/31/2015

| Month    | Routine Sampling |        |           | Repeat Sampling |        |           | Source Sampling |        |           |
|----------|------------------|--------|-----------|-----------------|--------|-----------|-----------------|--------|-----------|
|          | # Sample         | Tc Pos | Ecoli Pos | # Sample        | Tc Pos | Ecoli Pos | # Sample        | Tc Pos | Ecoli Pos |
| Nov-2014 | 1                | 0      | 0         | 0               | 0      | 0         | 0               | 0      | 0         |
| Dec-2014 | 1                | 0      | 0         | 0               | 0      | 0         | 0               | 0      | 0         |
| Jan-2015 | 2                | 0      | 0         | 0               | 0      | 0         | 0               | 0      | 0         |
| Feb-2015 | 1                | 0      | 0         | 0               | 0      | 0         | 0               | 0      | 0         |
| Mar-2015 | 1                | 0      | 0         | 0               | 0      | 0         | 0               | 0      | 0         |
| Apr-2015 | 1                | 0      | 0         | 0               | 0      | 0         | 0               | 0      | 0         |
| May-2015 | 1                | 0      | 0         | 0               | 0      | 0         | 0               | 0      | 0         |
| Jun-2015 | 1                | 0      | 0         | 0               | 0      | 0         | 0               | 0      | 0         |
| Jul-2015 | 1                | 0      | 0         | 0               | 0      | 0         | 0               | 0      | 0         |
| Aug-2015 | 1                | 0      | 0         | 0               | 0      | 0         | 0               | 0      | 0         |
| Sep-2015 | 1                | 0      | 0         | 0               | 0      | 0         | 0               | 0      | 0         |
| Oct-2015 | 1                | 0      | 0         | 0               | 0      | 0         | 0               | 0      | 0         |
| Nov-2015 | 0                | 0      | 0         | 0               | 0      | 0         | 0               | 0      | 0         |
| Dec-2015 | 0                | 0      | 0         | 0               | 0      | 0         | 0               | 0      | 0         |

# Water Monitoring Report

## BACTERIOLOGICAL MONITORING

| Sample Count | Type    | Frequency | Schedule Begin | Schedule End | Analyte Name   |
|--------------|---------|-----------|----------------|--------------|----------------|
| 1            | Routine | Monthly   | 11/01/2011     |              | COLIFORM (TCR) |

## Disinfection ByProduct Stage 2 Monitoring

| Sample Count | Type    | Frequency | Sample Label                    |
|--------------|---------|-----------|---------------------------------|
| 1            | Routine | 3 Years   | UTAH25011 DS001 Sample ID below |

| ID    | Site        | Last Sample | Next Sample Due         |
|-------|-------------|-------------|-------------------------|
| MR001 | MORRIS HOME | 07/01/2013  | 01/01/2014 - 12/31/2014 |

Please sample in August

## Other Distribution Monitoring

| Analyte Name    | ID    | Sample Count | Type    | Frequency | Last Sampled | Next Sample Due         |
|-----------------|-------|--------------|---------|-----------|--------------|-------------------------|
| LEAD AND COPPER | DS001 | 5            | Routine | 3 Years   | 2013         | 06/01/2016 - 09/30/2016 |

## MONITORING REQUIREMENTS BY FACILITY

| ID    | NAME             |
|-------|------------------|
| WS001 | FAIRFIELD SPRING |

| Name               | Sample Count | Type    | Frequency | Last Sampled | Next Sample Due         |
|--------------------|--------------|---------|-----------|--------------|-------------------------|
| INORGANICS-COMPL   | 1            | Routine | 3 Years   | 06/24/2013   | 01/01/2014 - 12/31/2016 |
| NITRATE            | 1            | Routine | Yearly    | 11/19/2014   | 01/01/2015 - 12/31/2015 |
| PESTICIDES-COMPL   | 1            | Routine | 3 Years   | 06/24/2013   | 01/01/2014 - 12/31/2016 |
| RADS - COMPLIANCE  | 1            | Routine | 3 Years   | 06/24/2013   | 01/01/2014 - 12/31/2016 |
| SULFATE,SODIUM,TDS | 1            | Routine | 3 Years   | 06/24/2013   | 01/01/2014 - 12/31/2016 |
| VOC-COMPL          | 1            | Routine | 3 Years   | 06/24/2013   | 01/01/2014 - 12/31/2016 |

# IPS Report

## IPS Summary

| Total IPS Points | Admin & Physical Facilities | Quality & Monitoring | Operator Certification | Significant Deficiency |
|------------------|-----------------------------|----------------------|------------------------|------------------------|
| <b>100</b>       | <b>75</b>                   | <b>35</b>            | <b>-10</b>             | <b>0</b>               |

## Physical Facility Points

| Code                   | Description   | Severity | Point Effective |                    |                |
|------------------------|---|----------|-----------------|--------------------|----------------|
| M004                   | CCC-NO ANNUAL PUBLIC EDUCATION OR AWARENESS                     | MIN      | <b>10</b>       |                    |                |
| Facility               | Comments  | Status   | Determined      | Point Not Assessed | Point Assessed |
|                        | No documentation.   |          | 10/03/2012      |                    | 10             |
| M006                   | CCC-LACKS WRITTEN RECORDS                                       | MIN      | <b>10</b>       |                    |                |
| Facility               | Comments  | Status   | Determined      | Point Not Assessed | Point Assessed |
|                        | No records  |          | 10/03/2012      |                    | 10             |
| M007                   | CCC-LACKS ON-GOING ENFORCEMENT PLAN                             | MIN      | <b>10</b>       |                    |                |
| Facility               | Comments  | Status   | Determined      | Point Not Assessed | Point Assessed |
|                        | No documentation.   |          | 10/03/2012      |                    | 10             |
| R001                   | INADEQUATE BACTERIOLOGICAL SAMPLING SITE PLAN                   | MIN      | <b>5</b>        |                    |                |
| Facility               | Comments  | Status   | Determined      | Point Not Assessed | Point Assessed |
|                        | There is no TCR Sampling Site Plan.                             |          | 10/03/2012      |                    | 5              |
| SS02                   | SPRING COLLECTION AREA NOT FENCED                               | MIN      | <b>10</b>       |                    |                |
| Facility               | Comments  | Status   | Determined      | Point Not Assessed | Point Assessed |
| WS001 FAIRFIELD SPRING | NO FENCING  | Active   | 11/20/2015      |                    | 10             |
| SS03                   | SPRING COLLECTION AREA LACKS A DIVERSION CHANNEL                | MIN      | <b>5</b>        |                    |                |
| Facility               | Comments  | Status   | Determined      | Point Not Assessed | Point Assessed |
|                        | THE AREA IS SWAMPY WITH STANDING WATER                          |          | 11/20/2015      |                    | 5              |
| SS05                   | MINOR PONDING ON SPRING COLLECTION AREA                         | MIN      | <b>10</b>       |                    |                |
| Facility               | Comments  | Status   | Determined      | Point Not Assessed | Point Assessed |
|                        | PLANT LIFE AND STANDING SURFACE WATER                           |          | 11/20/2015      |                    | 10             |
| SS07                   | DEEP ROOTED VEGETATION IN SPRING COLLECTION AREA                | MIN      | <b>10</b>       |                    |                |
| Facility               | Comments  | Status   | Determined      | Point Not Assessed | Point Assessed |
| WS001 FAIRFIELD SPRING | There are weeds and shrubs in the area that need to be removed. | Active   | 10/03/2012      |                    | 10             |

V011

STORAGE FACILITY OVERFLOW PIPE LACKS MIN  
FREEFALL

5

| Facility        | Comments | Status | Determined | Point Not Assessed | Point Assessed |
|-----------------|----------|--------|------------|--------------------|----------------|
| ST001 160K TANK |          | Active | 11/20/2015 |                    | 5              |

**Total Effective Points: 75****Microbial Rule Violations**

| Determined | Compliance Period       | Code | Violation Type                     | Return To Compliance | Point Effective |
|------------|-------------------------|------|------------------------------------|----------------------|-----------------|
| 12/02/2014 | 10/01/2014 - 10/31/2014 | 23   | MONITORING (TCR),<br>ROUTINE MAJOR | N                    | 35              |

**Total Effective Points: 35****Operator Certification Points**

| Type         | Level Required | Highest Certificate | Point Effective |
|--------------|----------------|---------------------|-----------------|
| Distribution | Small System   | Dist 4              | -10             |
| Treatment    |                |                     | 0               |

**Total Effective Points: -10**