

BEFORE THE WASHINGTON  
UTILITIES AND TRANSPORTATION COMMISSION

SARAH HAND AND GRETCHEN HAND,  
a married couple

Complainant,

v.

RAINIER VIEW WATER COMPANY, INC.,

Respondent.

DOCKET UW 170924

**EXHIBIT 22 TO TESTIMONY OF  
COMPLAINANT SARAH HAND**

**EXHIBIT 22  
TO TESTIMONY OF  
Sarah Hand  
March 19, 2018**

Southwood System Water Quality Exceedances Self-Reported to  
Department of Health by the water purveyor.



# Division of Environmental Health Office of Drinking Water

Help

## Individual System View

| Compliance Actions  |          | Operating Permits  |              | Operators      |                 | Reports     |            | Water Use Efficiency              |               |            |
|---------------------|----------|--------------------|--------------|----------------|-----------------|-------------|------------|-----------------------------------|---------------|------------|
| General Information |          | Source Information |              | Samples        |                 | Exceedances |            | Water Quality Monitoring Schedule |               |            |
| Type                | Source ▲ | DOE Source         | Collect Date | Analyte        | Result Quantity | Units       | Test Panel | Analyte Group                     | Sample Number | Lab Number |
| MCL2                | 01       | 12G130             | 2/24/2000    | IRON           | 0.520           | mg/L        | IOC        | IOC                               | 42478         | 089        |
| MCL2                | 01       | 12G130             | 2/24/2000    | MANGANESE      | 0.162           | mg/L        | IOC        | IOC                               | 42478         | 089        |
| MCL2                | 01       | 12G130             | 3/27/1997    | MANGANESE      | 0.093           | mg/L        | IOC        | IOC                               | 28404         | 089        |
| MCL2                | 01       | 12G130             | 12/7/1993    | IRON           | 0.360           | mg/L        | ICHEM      | IOC                               | 15677         | 089        |
| MCL2                | 01       | 12G130             | 2/21/1992    | IRON           | 0.750           | mg/L        | ICHEM      | IOC                               | 10299         | 089        |
| MCL2                | 04       | 15G353             | 5/7/1987     | IRON           | 0.800           | mg/L        | IOC        | IOC                               | 28888         | 089        |
| MCL1                | 07       |                    | 2/17/2009    | THALLIUM       | 0.005           | mg/L        | IOC        | IOC                               | 26175         | 089        |
| MCL2                | 07       |                    | 5/22/2003    | IRON           | 0.320           | mg/L        | IOC        | IOC                               | 61993         | 089        |
| MCL2                | 07       |                    | 2/28/2000    | IRON           | 1.22            | mg/L        | IOC        | IOC                               | 42506         | 089        |
| MCL2                | 09       |                    | 5/22/2003    | MANGANESE      | 0.263           | mg/L        | IOC        | IOC                               | 61995         | 089        |
| MCL2                | 09       |                    | 11/30/1998   | MANGANESE      | 0.211           | mg/L        | IOC        | IOC                               | 35843         | 089        |
| MCL2                | 10       |                    | 2/20/1992    | IRON           | 0.750           | mg/L        | IOC        | IOC                               | 10299         | 089        |
| MCL2                | 12       |                    | 7/19/1983    | MANGANESE      | 0.111           | mg/L        | IOC        | IOC                               | 07353         | 089        |
| MCL2                | 13       |                    | 1/31/1979    | MANGANESE      | 0.058           | mg/L        | IOC        | IOC                               | 02007         | 089        |
| MCL2                | 14       |                    | 1/31/1979    | MANGANESE      | 0.058           | mg/L        | IOC        | IOC                               | 02007         | 089        |
| MCL2                | 15       |                    | 7/15/1992    | COLOR          | 20.0            | CU          | IOC        | IOC                               | 11535         | 089        |
| MCL2                | 18       |                    | 5/22/2003    | IRON           | 0.450           | mg/L        | IOC        | IOC                               | 61994         | 089        |
| MCL2                | 18       |                    | 5/22/2003    | MANGANESE      | 0.320           | mg/L        | IOC        | IOC                               | 61994         | 089        |
| MCL2                | 18       |                    | 5/20/2003    | MANGANESE      | 0.085           | mg/L        | IOC        | IOC                               | 61917         | 089        |
| MCL2                | 18       |                    | 10/16/1997   | MANGANESE      | 0.088           | mg/L        | IOC        | IOC                               | 30802         | 089        |
| P                   | 22       |                    | 12/18/2017   | TOTAL COLIFORM | Present         | /100ml      | COLI_AP    | IOC                               | 86770         | 089        |
| MCL1                | 28       |                    | 1/25/2011    | NITRATE-N      | 10.3            | mg/L        | IOC        | IOC                               | 35948         | 089        |
| P                   | 30       | 10G106             | 10/15/2015   | TOTAL COLIFORM | Present         | /100ml      | COLI_AP    | MICRO                             | 29354         | 089        |
| MCL2                | 30       | 10G106             | 12/30/1997   | IRON           | 0.890           | mg/L        | IOC        | IOC                               | 31749         | 089        |
| MCL2                | 31       | 10G107             | 12/21/1988   | MANGANESE      | 0.160           | mg/L        | ICHEM      | IOC                               | 02640         | 089        |

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Office of Drinking Water**

Help

Individual System View - SOUTHWOOD WATER SYSTEM - Water System Id - 82844

| Compliance Actions  |              | Operating Permits  |              | Operators      |                 | Reports     |            | Water Use Efficiency              |               |            |
|---------------------|--------------|--------------------|--------------|----------------|-----------------|-------------|------------|-----------------------------------|---------------|------------|
| General Information |              | Source Information |              | Samples        |                 | Exceedances |            | Water Quality Monitoring Schedule |               |            |
| Type                | Source       | DOE Source         | Collect Date | Analyte        | Result Quantity | Units       | Test Panel | Analyte Group                     | Sample Number | Lab Number |
| MCL2                | 33           |                    | 9/6/1995     | MANGANESE      | 0.092           | mg/L        | IOC        | IOC                               | 22872         | 089        |
| MCL2                | 35           |                    | 12/29/1987   | IRON           | 0.740           | mg/L        | IOC        | IOC                               | 31739         | 089        |
| MCL2                | 38           |                    | 1/13/1993    | MANGANESE      | 0.104           | mg/L        | IOC        | IOC                               | 13051         | 089        |
| MCL2                | 39           |                    | 8/27/2002    | MANGANESE      | 0.134           | mg/L        | IOC        | IOC                               | 57318         | 089        |
| MCL2                | 39           |                    | 9/7/1989     | MANGANESE      | 0.107           | mg/L        | IOC        | IOC                               | 39904         | 089        |
| MCL2                | 39           |                    | 3/17/1997    | COLOR          | 40.0            | CU          | IOC        | IOC                               | 28274         | 089        |
| MCL2                | 39           |                    | 3/17/1997    | MANGANESE      | 0.187           | mg/L        | IOC        | IOC                               | 28274         | 089        |
| MCL2                | 39           |                    | 5/18/1994    | IRON           | 0.490           | mg/L        | IOC        | IOC                               | 17492         | 089        |
| MCL2                | 39           |                    | 5/12/1992    | MANGANESE      | 0.145           | mg/L        | IOC        | IOC                               | 11004         | 089        |
| MCL2                | 41           | 11G033             | 9/11/1989    | IRON           | 0.830           | mg/L        | ICHEM      | ICHEM                             | 04016         | 089        |
| MCL2                | 41           | 11G033             | 9/11/1989    | MANGANESE      | 0.128           | mg/L        | ICHEM      | ICHEM                             | 04016         | 089        |
| MCL2                | 41           | 11G033             | 3/10/1986    | IRON           | 0.630           | mg/L        | ICHEM      | ICHEM                             | 03624         | 089        |
| MCL2                | 41           | 11G033             | 3/10/1986    | MANGANESE      | 0.125           | mg/L        | ICHEM      | ICHEM                             | 03624         | 089        |
| MCL2                | 41           | 11G033             | 9/20/1982    | IRON           | 0.400           | mg/L        | ICHEM      | ICHEM                             | 09234         | 089        |
| MCL2                | 41           | 11G033             | 9/20/1982    | MANGANESE      | 0.091           | mg/L        | ICHEM      | ICHEM                             | 09234         | 089        |
| MCL2                | 42           | 11G017             | 2/9/1985     | MANGANESE      | 0.066           | mg/L        | IOC        | IOC                               | 20143         | 089        |
| MCL2                | 45           |                    | 4/26/2005    | MANGANESE      | 0.060           | mg/L        | IOC        | IOC                               | 03413         | 089        |
| MCL2                | 48           | 10G038             | 2/11/1977    | IRON           | 1.30            | mg/L        | ICHEM      | IOC                               | 59218         | 089        |
| P                   | Distribution |                    | 12/13/2017   | TOTAL COLIFORM | Present         | /100ml      | COLI_AP    | MICRO                             | 86549         | 089        |
| P                   | Distribution |                    | 7/14/2016    | TOTAL COLIFORM | Present         | /100ml      | COLI_AP    | MICRO                             | 49587         | 089        |
| P                   | Distribution |                    | 7/12/2016    | TOTAL COLIFORM | Present         | /100ml      | COLI_AP    | MICRO                             | 49185         | 089        |
| P                   | Distribution |                    | 10/12/2015   | TOTAL COLIFORM | Present         | /100ml      | COLI_AP    | MICRO                             | 28880         | 089        |
| P                   | Distribution |                    | 8/1/2014     | TOTAL COLIFORM | Present         | /100ml      | COLI_AP    | MICRO                             | 88451         | 089        |
| P                   | Distribution |                    | 8/1/2014     | TOTAL COLIFORM | Present         | /100ml      | COLI_AP    | MICRO                             | 88449         | 089        |
| P                   | Distribution |                    | 10/8/2012    | TOTAL COLIFORM | Present         | /100ml      | COLI_AP    | MICRO                             | 25975         | 089        |

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# Division of Environmental Health Office of Drinking Water

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Individual System View - SOUTHWOOD WATER SYSTEM - Water System Id - 82844

| Compliance Actions  |              | Operating Permits  |              | Operators      |                 | Exceedances |            | Reports       |               | Water Quality Monitoring Schedule |            |
|---------------------|--------------|--------------------|--------------|----------------|-----------------|-------------|------------|---------------|---------------|-----------------------------------|------------|
| General Information |              | Source Information |              | Samples        |                 | Test Panel  |            | Analyte Group |               | Sample Number                     |            |
| Type                | Source       | DOE Source         | Collect Date | Analyte        | Result Quantity | Units       | Test Panel | Analyte Group | Sample Number | Water Use Efficiency              | Lab Number |
| P                   | Distribution |                    | 4/5/2012     | TOTAL COLIFORM | Present         | /100ml      | COLL_AP    | MICRO         | 068866        |                                   | 089        |
| P                   | Distribution |                    | 5/3/2011     | TOTAL COLIFORM | Present         | /100ml      | COLL_AP    | MICRO         | 73676         |                                   | 089        |
| P                   | Distribution |                    | 9/21/2010    | TOTAL COLIFORM | Present         | /100ml      | COLL_AP    | MICRO         | 51704         |                                   | 089        |
| P                   | Distribution |                    | 9/15/2005    | TOTAL COLIFORM | Present         | /100ml      | COLL_AP    | MICRO         | 75112         |                                   | 089        |
| P                   | Distribution |                    | 8/19/2004    | TOTAL COLIFORM | Present         | /100ml      | COLL_AP    | MICRO         | 37931         |                                   | 089        |
| P                   | Distribution |                    | 6/14/2004    | TOTAL COLIFORM | Present         | /100ml      | COLL_AP    | MICRO         | 31021         |                                   | 089        |
| P                   | Distribution |                    | 12/11/2003   | TOTAL COLIFORM | Present         | /100ml      | COLL_AP    | MICRO         | 15658         |                                   | 089        |
| P                   | Distribution |                    | 12/11/2003   | TOTAL COLIFORM | Present         | /100ml      | COLL_AP    | MICRO         | 15659         |                                   | 089        |
| P                   | Distribution |                    | 12/9/2003    | E. COLI        | Present         | /100ml      | COLL_AP    | MICRO         | 15376         |                                   | 089        |
| P                   | Distribution |                    | 12/9/2003    | TOTAL COLIFORM | Present         | /100ml      | COLL_AP    | MICRO         | 15376         |                                   | 089        |
| P                   | Distribution |                    | 11/4/2003    | TOTAL COLIFORM | Present         | /100ml      | COLL_AP    | MICRO         | 12121         |                                   | 089        |
| P                   | Distribution |                    | 10/14/2003   | TOTAL COLIFORM | Present         | /100ml      | COLL_AP    | MICRO         | 10344         |                                   | 089        |
| P                   | Distribution |                    | 6/25/2003    | TOTAL COLIFORM | Present         | /100ml      | COLL_AP    | MICRO         | 00469         |                                   | 089        |
| P                   | Distribution |                    | 11/16/2001   | TOTAL COLIFORM | Present         | /100ml      | COLL_AP    | MICRO         | 51040         |                                   | 089        |
| P                   | Distribution |                    | 12/13/2000   | TOTAL COLIFORM | Present         | /100ml      | COLL_AP    | MICRO         | 25266         |                                   | 089        |
| P                   | Distribution |                    | 7/8/1999     | TOTAL COLIFORM | Present         | /100ml      | COLL_AP    | MICRO         | 87865         |                                   | 089        |
| MCL2                | Distribution |                    | 6/18/1998    | IRON           | 1.73            | mg/L        | IOC        | IOC           | 33770         |                                   | 089        |
| MCL2                | Distribution |                    | 5/13/1992    | MANGANESE      | 0.166           | mg/L        | ICHEM      | IOC           | 11020         |                                   | 089        |
| MCL2                | Distribution |                    | 9/13/1989    | MANGANESE      | 0.316           | mg/L        | ICHEM      | IOC           | 04038         |                                   | 089        |
| MCL2                | Distribution |                    | 8/10/1981    | MANGANESE      | 0.184           | mg/L        | ICHEM      | IOC           | 08123         |                                   | 089        |
| MCL2                | Distribution |                    | 8/7/1981     | MANGANESE      | 0.125           | mg/L        | ICHEM      | IOC           | 08119         |                                   | 089        |

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