

## RURAL FILTRATION PLANTS - OREGON (Sampling)

| RURAL                           | Customers | mgd  | Filtration        | Source               | Zoning             | Acres | Pipelines                          |
|---------------------------------|-----------|------|-------------------|----------------------|--------------------|-------|------------------------------------|
| <i>Bull Run Filtration Proj</i> | 960,000   | 145  | Conventional      | <i>Bull Run Res.</i> | <i>MUA-20</i>      | 95    | 7+ Miles/8' Diameter, HDD Drilling |
| Joint Water Commission          | 400,000   | 85   | Conventional      | Upper Tualatin R.    | EFU                | 62    |                                    |
| City Salem -Geren is.           | 200,000   | 45   | Ozone / Slow Sand | N. Santiam R.        | Public Land        |       |                                    |
| Medford Water                   | 140,000   | 30   | Chlorine          | Rogue R./ Springs    | Open Space         |       |                                    |
| N. Clackamas Co. Water          | 80,000    | 20   | Sand/ Membrane    | Clackamas R.         | Rural/ Residential | 4     |                                    |
| City of Bend                    | 67,000    | 11.8 | Membrane          | Ground/ Surface      | Rural/ Residential | 14    |                                    |
| Springfield Utility Board       | 60,000    |      |                   | Ground Aquifer M.    |                    |       |                                    |
| Corvallis-Rock Creek            |           | 3    | Rapid Sand        | Rock Creek Watershed | Residential        | 5     |                                    |
| Hillsboro Water Dept.           |           | 3    | Slow Sand         | Upper Tualatin R.    | Exc. Forest        |       |                                    |
| Albany -Millersburg             | 1300      | 1    | Membrane          | Santiam R.           | Farm Forest        | 7.3   |                                    |

\* These Rural sites were the exact ones the PWB used to compare to their proposed Bull Run Filtration Project.

## **Observations and Comments on Bull Run Filtration Project**

- Joint Water Commission facility is currently the largest treatment plant in Oregon. Less than half the size of the proposed Bull Run Filtration facility.
- The rest of the rural treatment plants are clearly much smaller.
- The other plants draw their water from a direct river, groundwater, or spring source.
- Note the number of miles the 8' diameter pipes necessary to bring the water to Bull Run Filtration Project site. Cost and disruption to environment.
- With such an immense facility, the cost factor is undeniably salient and must be a factor in a decision since there are other options for sites.
- The current plan does not include the Ozone treatment which is exactly the reason PWB gave for needing the plant in the first place. The pipeline has also been reduced to one pipe. Those future costs must be evaluated and questioned .