

PRIMARY AND SECONDARY DRINKING WATER REGULATIONS

The current and proposed design and construction of a groundwater and surface water treatment plant in the State of Ohio is based upon both primary and secondary drinking water rules along with design standards referred to as Ten States Standards. These standards establish minimum and maximum design consideration for each treatment component.

Water Source Designation

Ohio EPA shall determine and designate each water source of public water system as either a surface water or a groundwater source. Source water shall be designated as groundwater when the source water comes from an approved well and shall show no analysis showing any coliform bacteria. A groundwater supply designation does not require meeting all of the Primary Drinking Water Standards.

Primary Maximum Contaminant Levels

Maximum contaminant levels have been established for 94 primary water standards that may have an adverse effect on the health of the public.

Secondary Maximum Contaminant Level

These levels are considered advisable maximum levels for aesthetic effects to prevent an undesirable taste, odor, or appearance that would have an adverse impact on the public welfare. There are 14 parameters listed which include iron, manganese, and total dissolved solids.

The Primary and Secondary Standards can be found at www.epa.state.oh.us (Division of Drinking and Ground Waters).