

POTENTIAL SOURCES OF WATER CONTAMINATION

Water in the atmosphere becomes contaminated even before it reaches the earth. The clouds of water droplets absorb gases such as sulfur dioxide. They carry particles of dust and collect air-borne bacteria. When water falls to the earth as rain, it dissolves or absorbs part of many compounds that lie on the earth's surface, such as pesticides, herbicides, fungicides, animal wastes, fertilizers, etc. Surface drinking water sources such as lakes and rivers are subject to agricultural and industrial pollution, run-off of mud and decayed vegetation, and animal and human wastes that provide an environment for the growth of algae, bacteria and viruses.

Ground water sources such as wells and springs that percolate through the sand, rock and clay formations are more likely to provide lower amounts of suspended matter, color and bacterial contamination. However, ground water is subject to come into contact with and absorb undesirable inorganic minerals such as iron, manganese, and hydrogen sulfide gas, as well as inorganic chemicals such as lead, sodium, cadmium, chromium, mercury, copper, barium and arsenic.

Both surface and ground water surfaces are becoming increasingly contaminated with many contaminants. Even some of the products used to treat water, such as chlorine, have been linked to many adverse health effects on humans, such as cancer and miscarriages.

CONTAMINANT REDUCTION COMPARISON	ALGAE	ARSENIC	BACTERIA	BENZENE	CHLORIDE	CHLORINE	COPPER	CRYPTO	FLUORIDE	LEAD	MERCURY	NITRATES	ODORS	PESTICIDES	RUST	SALT	SULFATES	TASTE	VIRUSES	
	CARBON BLOCK FILTERS	Minimal	Minimal	Minimal	Complete	Minimal	Complete	Minimal	Partial	Minimal	Minimal	Minimal	Minimal	Complete	Complete	Partial	Minimal	Minimal	Complete	Minimal
REVERSE OSMOSIS	Partial	Partial	Partial	Complete	Partial	Complete	Partial	Partial	Partial	Partial	Partial	Partial	Complete	Complete	Complete	Partial	Partial	Complete	Minimal	
LE BLEU ULTRA PURE	Complete	Complete	Complete	Complete	Complete	Complete	Complete	Complete	Complete	Complete	Complete	Complete	Complete	Complete	Complete	Complete	Complete	Complete	Complete	Complete

MINIMAL REDUCTION
 PARTIAL REDUCTION
 COMPLETE REDUCTION