



MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY  
 DRINKING WATER AND ENVIRONMENTAL HEALTH DIVISION  
**Drinking Water Management Risk Matrix**



Factor				Lower Risk
Building age	Prior to 1989	1989 - 2014	2014 - Present	
Number of wings	4 or more	3	2	1
Number of floors	4 or more	3	2	1
Plumbing material	Lead	Brass	Galvanized	Non-lead
Dead end plumbing	Yes - multiple	Yes - few	Yes - one	None
Building water use	Long breaks	5 days a week	6 days a week	365 days a year
Water outlet use	Never	Rarely	Weekly	Daily
Water quality history (Lead and copper)	Multiple elevated results throughout	Sporadic results throughout	Sporadic results isolated to one or a few outlets	No elevated test results
Water quality history (Bacteria)	Multiple sites with bacteria detected	Sporadic results throughout	Sporadic results isolated to one or a few outlets	No bacteria detected
Water quality history (Other)	Building wide contamination	Area contained contamination	Aesthetic problems	No water quality problems