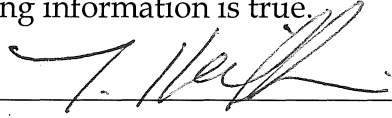


Internal Monitoring Report

Policy #: O-2B Water Quality

Date: July 26, 2011

I certify that the following information is true.

Signed  _____, General Manager

Policy Language:

Madison Water Utility consumers will receive high quality water that meets or is better than all primary and secondary drinking water standards, including their public notification requirements, and complies with board-adopted water quality goals, incorporated by attachment.

GM's interpretation and its justification:

Few things are more vital to a community than the availability of high quality drinking water. It promotes public health, public safety, and the economic interests of our community. To that end, the water utility will consistently deliver water that meets the primary, health-based drinking water standards, the secondary (aesthetic) standards, and the additional policy goals established by the Board. The Water Utility Procedural Guideline GUIDE 3, which establishes policies regarding iron and manganese, contains the following:

The Madison Water Utility, under normal operating conditions, shall provide water that contains less than the National Secondary Drinking Water Standard for Fe (currently 0.3 mg/L) and Mn (currently 0.05 mg/L) at the customer's tap.

I interpret this to mean that 95th percentile results from our routine distribution water quality monitoring program shall be less than these values results for iron and manganese.

Utility staff will remain vigilant in following developments related to currently unregulated and emerging contaminants like pharmaceuticals, endocrine disruptors, and chromium-6 that may pose problems in the future. Furthermore, the utility will employ multiple methods to adequately inform its consumers of the safety and quality of their drinking

water including the federally-required Consumer Confidence Report (CCR), the water utility website, e-mail distribution lists, neighborhood listservs, citizen meetings, and through staff contact in the field and office.

Data directly addressing the GM'S interpretation:

Earlier this year water utility staff published and mailed the 2010 Annual Drinking Water Quality report, also known as the CCR, to over 110,000 postal addresses in the city and other locations served by the utility. The report (<http://www.cityofmadison.com/water/documents/WaterQuality2011.pdf>) shows full compliance with all primary drinking water standards. The water quality table was reformatted this year to make it more understandable and provide more well-specific information. Planning efforts, including citizen participation, are ongoing for iron and manganese treatment at Wells 7 & 8, two wells that exceed the secondary standard for one or both metals. Routine distribution monitoring in the months of April through June showed all 85 samples tested below the 50 ppb manganese threshold and all but four of these samples were less than the 0.3 ppm iron standard. A single location, the Maple Bluff village hall, consistently exceeded the iron standard. This site regularly receives water from Well 7. Residential tap samples collected in support of the federal Lead and Copper rule showed levels well below the action level for both metals and, except for one sample, the iron and manganese concentrations were below the secondary standards. The 95th percentile level of the 185 samples for manganese (17 ppb) and iron (0.14 ppm) were well below the aesthetic threshold. No new information, as identified in Guide 2 for the testing of pharmaceuticals or endocrine disrupting chemicals, has been identified. Also, daily fluoride testing confirms the maintenance of a 0.7 mg/L average concentration delivered to customers in accordance with the Board of Health Madison and Dane County Public Health resolution. Finally, water utility staff plans to monitor all wells for chromium-6 in the months of July or August.

I report compliance.