

Volatile Organic Contaminants Sampled at the Entry Point to the Distribution System									
Contaminant Name	Year	Average	Range Low – High	Sample Size	Unit of Measure	MCL	MCLG	MCL Violation	Typical Sources
Ethylbenzene	2013	0.85	0 to 1.7	2	ppb	700	700	No	Discharge from petroleum refineries; paint
Xylenes	2013	4.65	0 to 9.3	2	ppb	10,000	10,000	No	Discharge from petroleum factories; discharge from chemical factories; paint

Unregulated or Secondary Contaminants**						
**Secondary standards are <u>non-enforceable</u> guidelines for contaminants that may cause cosmetic effects (such as skin, or tooth discoloration) or aesthetic effects (such as taste, odor, or color) in drinking water.						
Contaminant Name	Year	Average	Range Low – High	Sample Size	Unit of Measure	Secondary Standard
Total Dissolved Solids	2011	77.25	54 to 96	4	ppm	500

**Violations, Significant Deficiencies, and Formal Enforcement Actions**

Violations					
Name	Category	Time Period	Health Effects	Compliance Value	TT Level or MCL
TURBIDITY	MONTHLY COMB FLTR EFFLUENT (IESWTR/LT1) - TT	04/01/2013 - 04/30/2013	Turbidity has no health effects. However, turbidity can interfere with disinfection and provide a medium for microbial growth. Turbidity may indicate the presence of disease-causing organisms. These organisms include bacteria, viruses, and parasites that can cause symptoms such as nausea, cramps, diarrhea and associated headaches.	0 N/A	N/A



TURBIDITY	MONTHLY COMB FLTR EFFLUENT (IESWTR/LT1) - TT	02/01/2013 - 02/28/2013	Turbidity has no health effects. However, turbidity can interfere with disinfection and provide a medium for microbial growth. Turbidity may indicate the presence of disease-causing organisms. These organisms include bacteria, viruses, and parasites that can cause symptoms such as nausea, cramps, diarrhea and associated headaches.	0 N/A	N/A
CHLORINE	MONITORING, RTN/RPT MAJOR (SWTR-FILTER) - MON	03/01/2014 - 03/31/2014	N/A	N/A	N/A
CHLORINE	MONITORING, RTN/RPT MAJOR (SWTR-FILTER) - MON	02/01/2014 - 02/28/2014	N/A	N/A	N/A
CHLORINE	MONITORING, RTN/RPT MAJOR (SWTR-FILTER) - MON	01/01/2014 - 01/31/2014	N/A	N/A	N/A
CHLORINE	MONITORING, RTN/RPT MAJOR (SWTR-FILTER) - MON	12/01/2013 - 12/31/2013	N/A	N/A	N/A
CHLORINE	MONITORING, RTN/RPT MAJOR (SWTR-FILTER) - MON	11/01/2013 - 11/30/2013	N/A	N/A	N/A
CHLORINE	MONITORING, RTN/RPT MAJOR (SWTR-FILTER) - MON	10/01/2013 - 10/31/2013	N/A	N/A	N/A
CHLORINE	MONITORING, RTN/RPT MAJOR (SWTR-FILTER) - MON	09/01/2013 - 09/30/2013	N/A	N/A	N/A
CHLORINE	MONITORING, RTN/RPT MAJOR (SWTR-FILTER) - MON	08/01/2013 - 08/31/2013	N/A	N/A	N/A
CHLORINE	MONITORING, RTN/RPT MAJOR (SWTR-FILTER) - MON	07/01/2013 - 07/31/2013	N/A	N/A	N/A
CHLORINE	MONITORING, RTN/RPT MAJOR (SWTR-FILTER) - MON	06/01/2013 - 06/30/2013	N/A	N/A	N/A
<b>Additional Violation Information</b>					

**Note:** If any violation relates to failing to install adequate filtration or disinfection equipment or processes, or have had a failure of such equipment or processes then the water may be inadequately treated. Inadequately treated water may contain disease-causing organisms. These organisms include bacteria, viruses, and parasites, which can cause symptoms such as nausea, cramps, diarrhea, and associated headaches. Explanation of the violation(s) and the steps taken to resolve them:

Turbidity violations for February and April 2013, at the Gelwick treatment plant, were the result of broken transmission lines upstream from the treatment plant. As required by the state of Colorado CDPHE, Bone Mesa Water will have the treatment process at the Gelwick treatment plant reevaluated by a professional engineer as to eliminate this type of violation in the future.

Chlorine monitoring violation 06/01/2013 - 03/31/2014 Mays treatment plant, was the result of financial restraints and the inability to discharge water from the mays treatment plant in freezing temperatures. Bone mesa water has purchased and installed a chlorine analyzer to measure chlorine residual at entry point 008 at least once per day as required by the state of Colorado CDPHE.