



SOUTHERN NEVADA WATER AUTHORITY

SOUTHERN NEVADA WATER SYSTEM

River Mountains Water Treatment Facility

1299 Burkholder Boulevard • Henderson, NV 89015

MAILING ADDRESS: P.O. Box 99954 • Las Vegas, NV 89193-9954

(702) 856-3500 • snwa.com

January 27, 2014

John Heggeness
Nevada Division of Environmental Protection
Bureau of Water Quality Planning
901 S. Stewart Street
Carson City, Nevada 89701

Dear Mr. Heggeness,

The Southern Nevada Water Authority (Authority) appreciates the opportunity to comment on the “Draft – Nevada’s 2012 Integrated Report.” Observations of the listing referring to the Muddy River from Warm Springs Bridge to Glendale will be included in this letter.

The Authority is a cooperative agency formed in 1991 to address Southern Nevada's unique water needs on a regional basis. The Authority is governed by a seven-member agency Board comprised of representatives from each of its member organizations. The Authority’s mission is to manage the region's water resources and develop solutions that will ensure adequate future water supplies for the Las Vegas valley. The listing of the Muddy River may affect discharge permits in the area. The Authority receives credit for Intentionally Created Surplus (ICS) water returned to Lake Mead and so all discharges play an important role in future water supplies.

The Muddy River from Warm Springs Bridge to Glendale has been added to the 2012 Impaired Waters List (303(d) List) for selenium and fluoride. Based on the data retrieved from the Lower Colorado River Water Quality Database, we believe this listing may be based on faulty data. When analyzing the results of the fluoride and selenium samples taken in this reach of the Muddy River from October 2006 to November 2011, it is apparent that the water quality meets the standard of < 2.6 mg/L for fluoride and < .005 mg/L for selenium (Table 1). The average fluoride concentration from December 2006 to March 2009 is 2.32 mg/L and the highest value was 2.6 mg/L. Unfortunately, data is not available for the entire time period covered by this assessment. The Authority plans to begin sampling for fluoride in the Muddy River in 2014 to assist with questionable fluoride results in the future. The average selenium concentration, using the detection limit in the average, from October 2006 to September 2011 was 0.0012 mg/L and the highest value was .003 mg/L, which is far below the .005 mg/L standard.

If you have any questions about any of the comments in this letter, please do not hesitate to contact me at 702-856-5041 or peggy.roefer@snwa.com.

Sincerely,

Peggy Roefer
Regional Water Quality Manager

Attachment

SNWA MEMBER AGENCIES

Big Bend Water District • Boulder City • Clark County Water Reclamation District • City of Henderson • City of Las Vegas • City of North Las Vegas • Las Vegas Valley Water District

Table 1: Muddy River from Warm Springs Bridge to Glendale Fluoride and Selenium

Submit Agency	Site Name	Sample Date	Fluoride (mg/L)	Selenium Total (mg/L)
Nevada Division of Environmental Protection (NORTHERN NV)	MR30.8	12/12/2006 11:25	2.2	<0.002
Nevada Division of Environmental Protection (NORTHERN NV)	MR22.77	12/12/2006 12:55	2.3	0.002
Nevada Division of Environmental Protection (NORTHERN NV)	MR30.8	2/12/2007 9:00	2.3	<0.002
Nevada Division of Environmental Protection (NORTHERN NV)	MR22.77	2/12/2007 9:35	2.3	0.003
Nevada Division of Environmental Protection (NORTHERN NV)	MR30.8	4/18/2007 12:20	2.3	<0.002
Nevada Division of Environmental Protection (NORTHERN NV)	MR22.77	4/18/2007 12:45	2.4	<0.002
Nevada Division of Environmental Protection (NORTHERN NV)	MR30.8	7/17/2007 10:00	2.2	<0.002
Nevada Division of Environmental Protection (NORTHERN NV)	MR22.77	7/17/2007 10:30	2.3	<0.002
Nevada Division of Environmental Protection (NORTHERN NV)	MR30.8	11/13/2007 10:15	2.3	<0.002
Nevada Division of Environmental Protection (NORTHERN NV)	MR22.77	11/13/2007 11:00	2.4	<0.002
Nevada Division of Environmental Protection (NORTHERN NV)	MR30.8	1/28/2008 10:40	2.3	<0.002
Nevada Division of Environmental Protection (NORTHERN NV)	MR22.77	1/28/2008 11:10	2.4	0.002
Nevada Division of Environmental Protection (NORTHERN NV)	MR30.8	6/18/2008 9:55	2.3	<0.002
Nevada Division of Environmental Protection (NORTHERN NV)	MR22.77	6/18/2008 10:20	2.3	0.002
Nevada Division of Environmental Protection (NORTHERN NV)	MR22.77	9/15/2008 11:25	2.3	<0.002
Nevada Division of Environmental Protection (NORTHERN NV)	MR22.77	12/8/2008 9:45	2.3	<0.002
Nevada Division of Environmental Protection (NORTHERN NV)	MR22.77	3/18/2009 9:50	2.6	<0.002
Nevada Division of Environmental Protection (NORTHERN NV)	MR22.77	5/18/2009 11:00		
Nevada Division of Environmental Protection (NORTHERN NV)	MR24.5	5/18/2009 14:18		
Southern Nevada Water System (LIMS)	MR30.8	1/12/2010 9:22		<0.001
Southern Nevada Water System (LIMS)	MR26.2	1/12/2010 10:35		<0.001
Southern Nevada Water System (LIMS)	MR24.0	1/12/2010 11:12		<0.001
Southern Nevada Water System (LIMS)	MR21.4	1/12/2010 11:50		<0.001
Southern Nevada Water System (LIMS)	MR21.4	2/18/2010 9:25		<0.001
Southern Nevada Water System (LIMS)	MR24.0	2/18/2010 9:56		<0.001
Southern Nevada Water System (LIMS)	MR26.2	2/18/2010 10:40		<0.001
Southern Nevada Water System (LIMS)	MR30.8	2/18/2010 11:44		<0.001
Southern Nevada Water System (LIMS)	MR21.4	3/18/2010 11:45		<0.001
Southern Nevada Water System (LIMS)	MR24.0	3/18/2010 12:23		<0.001
Southern Nevada Water System (LIMS)	MR26.2	3/18/2010 12:53		<0.001
Southern Nevada Water System (LIMS)	MR30.8	3/18/2010 13:38		<0.001
Southern Nevada Water System (LIMS)	MR21.4	4/22/2010 12:15		<0.001
Southern Nevada Water System (LIMS)	MR24.0	4/22/2010 12:40		<0.001
Southern Nevada Water System (LIMS)	MR26.2	4/22/2010 13:10		<0.001
Southern Nevada Water System (LIMS)	MR30.8	4/22/2010 13:40		<0.001
Southern Nevada Water System (LIMS)	MR21.4	5/20/2010 10:00		<0.001
Southern Nevada Water System (LIMS)	MR24.0	5/20/2010 10:25		<0.001
Southern Nevada Water System (LIMS)	MR26.2	5/20/2010 11:00		<0.001
Southern Nevada Water System (LIMS)	MR30.8	5/20/2010 11:35		<0.001
Southern Nevada Water System (LIMS)	MR21.4	6/16/2010 9:26		<0.001
Southern Nevada Water System (LIMS)	MR24.0	6/16/2010 9:50		<0.001
Southern Nevada Water System (LIMS)	MR26.2	6/16/2010 10:23		<0.001
Southern Nevada Water System (LIMS)	MR30.8	6/16/2010 11:07		<0.001
Southern Nevada Water System (LIMS)	MR21.4	7/14/2010 10:07		<0.001
Southern Nevada Water System (LIMS)	MR24.0	7/14/2010 10:39		<0.001
Southern Nevada Water System (LIMS)	MR26.2	7/14/2010 11:21		<0.001
Southern Nevada Water System (LIMS)	MR30.8	7/14/2010 12:05		<0.001
Southern Nevada Water System (LIMS)	MR21.4	8/10/2010 9:33		<0.001
Southern Nevada Water System (LIMS)	MR24.0	8/10/2010 10:00		<0.001
Southern Nevada Water System (LIMS)	MR26.2	8/10/2010 10:45		<0.001
Southern Nevada Water System (LIMS)	MR30.8	8/10/2010 11:25		<0.001
Southern Nevada Water System (LIMS)	MR21.4	9/14/2010 9:30		<0.001
Southern Nevada Water System (LIMS)	MR24.0	9/14/2010 9:57		<0.001
Southern Nevada Water System (LIMS)	MR26.2	9/14/2010 10:30		<0.001
Southern Nevada Water System (LIMS)	MR30.8	9/14/2010 11:15		<0.001
Southern Nevada Water System (LIMS)	MR21.4	10/12/2010 8:24		<0.001
Southern Nevada Water System (LIMS)	MR24.0	10/12/2010 8:52		<0.001
Southern Nevada Water System (LIMS)	MR26.2	10/12/2010 9:20		<0.001
Southern Nevada Water System (LIMS)	MR30.8	10/12/2010 9:50		<0.001
Southern Nevada Water System (LIMS)	MR21.4	11/16/2010 8:57		<0.001
Southern Nevada Water System (LIMS)	MR24.0	11/16/2010 9:16		<0.001
Southern Nevada Water System (LIMS)	MR26.2	11/16/2010 9:42		<0.001
Southern Nevada Water System (LIMS)	MR30.8	11/16/2010 10:10		<0.001
Southern Nevada Water System (LIMS)	MR21.4	12/13/2010 9:30		<0.001
Southern Nevada Water System (LIMS)	MR24.0	12/13/2010 9:51		0.001
Southern Nevada Water System (LIMS)	MR26.2	12/13/2010 10:10		<0.001
Southern Nevada Water System (LIMS)	MR30.8	12/13/2010 10:35		<0.001
Southern Nevada Water System (LIMS)	MR21.4	3/14/2011 12:05		<0.001
Southern Nevada Water System (LIMS)	MR24.0	3/14/2011 12:25		<0.001
Southern Nevada Water System (LIMS)	MR26.2	3/14/2011 12:48		<0.001
Southern Nevada Water System (LIMS)	MR30.8	3/14/2011 13:16		<0.001
Southern Nevada Water System (LIMS)	MR21.4	6/20/2011 9:15		<0.001
Southern Nevada Water System (LIMS)	MR24.0	6/20/2011 9:35		<0.001
Southern Nevada Water System (LIMS)	MR26.2	6/20/2011 10:05		<0.001
Southern Nevada Water System (LIMS)	MR30.8	6/20/2011 10:35		<0.001
Southern Nevada Water System (LIMS)	MR21.4	9/26/2011 9:00		<0.001
Southern Nevada Water System (LIMS)	MR24.0	9/26/2011 9:20		<0.001
Southern Nevada Water System (LIMS)	MR26.2	9/26/2011 10:00		<0.001
Southern Nevada Water System (LIMS)	MR30.8	9/26/2011 10:30		<0.001