

2011 WATER QUALITY REPORT

**WATER FROM UPPER TRINITY REGIONAL WATER DISTRICT
CONSTITUENTS DETECTED FOR 2011**

UTRWD Source Water^a	Name: Lake Lewisville	Type: Surface Water	Location: Denton County
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Date	Substance	Maximum Amount in UTRWD Water	Range in UTRWD Water	Maximum Contaminant Level Allowed	Maximum Contaminant Level Goal	Possible Source
Regulated at the Treatment Plant						
6/20/2011	Fluoride (ppm)	0.28	N/A	4	4	Water additive, natural geology.
6/20/2011	Nitrate (ppm)	0.45	N/A	10	10	Fertilizer runoff, septic tanks, wastewater plant effluent, animal waste runoff.
10/19/2011	Turbidity (ntu)	0.14	0.04-0.14	0.3*	N/A	Soil runoff.

* Treatment Technique: MCL is achieved through coagulation, flocculation and filtration.

Regulated in the Distribution System						
7/27/2011	Total THM's (ppb)	44	25-44	80	0	Disinfection by-product.
1/26/2011	Total HAA's (ppb)	9.8	4.1-9.8	60	0	Disinfection by-product.

Unregulated Contaminants¹						
4/29/2008	N-nitrosodimethylamine (ppb)	0.0028	0.0025-0.0028	NA	NA	Nitrosamines are chemical byproducts from the manufacture of numerous products including rubber, leather, and plastics. Foods such as bacon and malt beverages may also contain nitrosamines.

¹ Unregulated contaminants are those for which EPA has not established drinking water standards. The purpose of unregulated contaminant monitoring is to assist EPA in determining the occurrence of unregulated contaminants in drinking water and whether future regulations is warranted.

Radioactive Contaminants						
6/9/2009	Beta Emitters pCi/L	2.3	N/A	50	0	Decay of natural and man-made deposits.
6/9/2009	Alpha Emitters pCi/L	0.6	N/A	15	0	Decay of natural and man-made deposits.
6/9/2009	Radium 228 pCi/L	0.76	N/A	5	0	Decay of natural and man-made deposits.

Synthetic Organic Chemicals Including Pesticides and Herbicides						
4/26/2011	Atrazine (ppb)	0.27	N/A	3	3	Herbicide runoff.

You may be more vulnerable than the general population to certain microbial contaminants, such as *Cryptosporidium*, in drinking water. Infants, some elderly, or immunocompromised persons such as those undergoing chemotherapy for cancer; those who have undergone organ transplants; those who are undergoing treatment with steroids; and people with HIV/AIDS or other immune system disorders can be particularly at risk from infections. You should seek advice about drinking water from your physician or health care provider. Additional guidelines on appropriate means to lessen the risk of infection by *Cryptosporidium* are available from the Safe Drinking Water Hotline at (800) 426-4791. Upper Trinity continues to analyze our source water for the presence of *Cryptosporidium*. *Cryptosporidium* has never been detected in any of the samples tested for Upper Trinity water.

Definitions:

Maximum Contaminant Level: The highest level of a contaminant that is allowed in drinking water.
Maximum Contaminant Level Goal: The level of a contaminant in drinking water below which there is no known or expected risk to health.
NTU: Nephelometric turbidity units. The unit used to measure the turbidity of water.
Treatment Technique: A required process intended to reduce the level of a contaminant in drinking water.
Turbidity: A measure of the clarity of water. While Turbidity has no known health effects, it 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.
pCi/L: Picocuries per liter. A measure of radioactivity in water equal to 10⁻¹² curies. Quantity of radioactive material producing 2.22 nuclear transformations per minute.
ppm: Parts per million. One part per million approximates one packet of artificial sweetener sprinkled into 250 gallons of iced tea.
ppb: Parts per billion. One part per billion is roughly equal to one packet of artificial sweetener sprinkled into an Olympic-size swimming pool.

**THIS REPORT CONTAINS THE MOST RECENT DATA
AVAILABLE IN ACCORDANCE WITH REGULATIONS**

^aDue to a water main break, UTRWD's Castle Hills (DCFWS #1A) connection was supplied by Dallas Water Utilities via an emergency interconnection from March 3rd thru March 11th. For information on DWU's water quality information, go to http://www.dallascityhall.com/dwu/water_quality_reports.html