

Biological and Water Quality Study of the Toussaint River and Rusha Creek Basins

Strontium WQS Clarification

June 25, 2006

During the Toussaint TMDL public comment period, Ohio EPA received comments that the strontium standards reported in the Biological and Water Quality Study of the Toussaint River and Rusha Creek Basins (April 4, 2005) were more stringent than the current water quality standards.

When the Biological and Water Quality Study of the Toussaint River and Rusha Creek Basins (April 4, 2005) was written, the Ohio EPA applied the current and appropriate strontium WQS for Lake Erie Basin tributaries. The effective date of this criterion was December 30, 2002. These standards were revised July 27, 2005, occurring after Ohio EPA conducted the survey and published the report. The table below displays the strontium WQS for each time period.

Lake Erie Basin Aquatic Life and Human Health Tier I Criteria, Tier II Values and Screening Values

Strontium	Aquatic Life (µg/l)				Human Health (µg/l)			
	Effective date	Tier	IMZM	OMZM	OMZA	Tier	Drink	Nondrink
	12/30/2002	II	14,000	6,900	770	I	18,000	1,400,000
	7/27/2005	II	95,000	48,000	5,300	I	18,000	1,400,000

In summary, the Biological and Water Quality Study of the Toussaint River and Rusha Creek Basins (April 4, 2005) reflects the water quality conditions and standards of the time it was written.

For additional information regarding concerns raised during the Toussaint TMDL public comment period and Ohio EPA's response, please see

<http://www.epa.state.oh.us/dsw/tmdl/index.html>