

Key Accomplishments
In Water Quality Research from 1995-2005
January 9, 2006

LTG 4	METHODS TO REDUCE RISK FROM BIOSOLIDS
1995	<p><i>Process Design Manual for Land Application of Sewage Sludge and Domestic Septage</i></p> <p><i>Process Design Manual for Surface Disposal of Sewage Sludge and Domestic Septage</i></p> <p>These documents provided background information for development of EPA's sewage sludge regulations.</p>
1996	<p><i>Technology Transfer Handbook: Management of Water Treatment Plant Residuals</i> A comprehensive guidance document on how to properly treat the solid residuals that are a byproduct of drinking water treatment. This document is used by water treatment plant professionals to determine the proper way to manage the solid wastes that result from their operations.</p>
2003	<p><i>Environmental Regulations and Technology: Control of Pathogens and Vector Attraction in Sewage Sludge</i> The authoritative guidance document on the treatment of sewage sludge to assure environmentally benign disposal on land. This document is used by those who are responsible for the disposal of treated sewage sludge (biosolids) on land in compliance with federal regulation.</p>
2003	<p>Development of the response to the NRC Review of the EPA's Biosolids Program in Federal Register Notice 12/31/03. - ORD provided major support to OW to develop response. This document identified how the EPA planned to respond to the recommendations of the National Academies of Science regarding needed improvements to the Agency's biosolids program.</p>
2004	<p><i>Results of the Inter-laboratory Validation of EPA Methods 1680 (LTB/EC) and 1681 (A-1) for Fecal Coliforms in Biosolids.</i></p> <p><i>Results of the Inter-laboratory Validation of EPA Method 1682 for Salmonella in Biosolids.</i></p> <p>These reports present the results of the US EPA's inter-laboratory validation study of procedures for the analysis of selected indicators in biosolids material. These results will be used by OW to develop standardized methods to analyze of the effectiveness of sewage sludge treatment techniques.</p>