

**TMDL Implementation - Bacteria**

City of Independence: TMDL Implementation Tracking Matrix							
<b>SOURCE</b> <i>What sources of this pollutant are under your jurisdiction?</i>	<b>STRATEGY</b> <i>What is being done, or what will you do, to reduce and/or control pollution from this source?</i>	<b>HOW</b> <i>Specifically, how will this be done?</i>	<b>FISCAL ANALYSIS</b> <i>What is the expected resource need? Are there existing resources budgeted? If not, where will the resources come from?</i>	<b>MEASURE</b> <i>How will you quantitatively or qualitatively demonstrate successful implementation or completion of this strategy?</i>	<b>TIMELINE</b> <i>When do you expect it to be completed?</i>	<b>MILESTONE</b> <i>What intermediate goals do you expect to achieve, and by when, to know progress is being made?</i>	<b>STATUS</b> <i>Include summary and date.</i>
Pet and animal waste stormwater treatment	Reduce amount of pet waste that is not properly disposed	Install pet waste stations including bags, education signs, and other information	Park Funds/donations	At least ten pet waste stations installed, and information posted on City's website	Completed	Determine locations and prepare news release to inform residents about new stations	Ongoing. The City currently has 15 pet waste stations, and a map on the parks page of city website showing locations.
Bacteria carried to waterways in storm runoff	Treat new development stormwater before discharge	Public Works Standards requires prevention to adverse downstream water quality impacts	Stormwater Utility Funds	Enforce standards and prohibit building permits until all conditions are met	Ongoing	Review code and coordinate with Stormwater Master Plan and Public Works Standards	Ongoing. Stormwater Master Plan Update scheduled for FY 2023-24.
	Reduce stormwater runoff from new development	Development code (Subchapter 54) contains landscaping requirements	Stormwater Utility Funds	Enforce standards and prohibit building permits until all conditions are met	Ongoing	Review code and coordinate with Stormwater Master Plan and Public Works Standards	Ongoing. As of FY 22-23, no violation of Public Works Standards.
	Update Stormwater Master Plan with specifics on water quality considerations and priorities	Update existing Stormwater Master Plan with pollution reduction strategies	Stormwater System Development Charges	City Council adopts updated Stormwater Master Plan	Complete Stormwater Master Plan by 2025 as budget allows	Adopt budget for fiscal year 2023-24	Ongoing. Scheduled budget FY 23-24
	Update Stormwater Management Plan with specifics on water quality considerations and priorities	Create stormwater system map and identify areas where water quality project actions would have the greatest benefit	Stormwater System Development Charges	City Council adopts updated Stormwater Master Plan	Ongoing	Adopt budget for fiscal year 2023-24	Ongoing. Scheduled budget FY 23-24
	Prevent dumping into storm drain	Mark storm drains	Stormwater Utility Funds	Number of markers installed	Ongoing	Design of markers selected	Ongoing for new development. Replacing markers as needed.
Wastewater treatment plant discharge	Maintain low bacteria levels in WWTP effluent	Treatment and chlorination in compliance with NPDES permit requirements.	Sewer Utility Funds	Monitor bacteria levels as condition of NPDES permit.	Ongoing	Meet NPDES permit requirements	1/5/22 high e-coli sample. Sewer Op retested within 24-hrs & reached normal levels