

## Attachment 1.

# Request for Formal Inclusion of Four Assessment Units to Five Total Maximum Daily Loads for Indicator Bacteria in Four Austin Streams

TMDL Updates to the Water Quality Management Plan (WQMP): Indicator Bacteria in Four Austin Streams: Segments 1403J, 1403K, 1428B, and 1429C

The document *Five Total Maximum Daily Loads for Indicator Bacteria in Four Austin Streams: Segments 1403J, 1403K, 1428B, and 1429C* was adopted by the TCEQ on 01/21/15 and submitted to EPA for approval. The TMDL includes allocations for nine assessment units (AUs), but only five AUs are currently on the Texas 303(d) list. For this reason, the TMDL title listed only five TMDLs. Because the new 303(d) Vision program provides for credit for protective TMDLs, we are requesting that the number of AUs and the number of TMDLs be increased from five to nine.

The purpose of this update is to make the following change to the TMDL:

- § Request formal inclusion of four additional AUs for this project, to now be *Nine Total Maximum Daily Loads for Indicator Bacteria in Four Austin Streams: Segments 1403J, 1403K, 1428B, and 1429C*.

The TMDL document addresses 5 AUs in four 303(d) listed water bodies:

- § Spicewood Tributary to Shoal Creek (1403J\_01);
- § Taylor Slough South (1403K\_01);
- § Walnut Creek (1428B\_05); and
- § Waller Creek (1429C\_02, 1429C\_03).

Waller Creek AU 1429C\_01 is also on the 303(d) list but it is not included in the TMDL because completion of the Waller Creek Flood Control Tunnel and associated redevelopment will dramatically change the hydrodynamics of this AU. A TMDL established at this time would not represent the water body after the improvements.

The lower AUs of Walnut Creek (1428B\_01, 1428B\_02, 1428B\_03, and 1428B\_04) were not identified as impaired for elevated bacteria (*Escherichia coli* (*E. coli*)) concentrations on the 2012 303(d) list. However, these four AUs were all identified as having use concerns or have been non-supporting in the past, so the City of Austin requested they be included in this TMDL. Information about these four additional AUs was provided in the original TMDL document, which had a public comment period from July 18 through August 18, 2014, and a public comment meeting on August 7, 2014. No comments related to these additional streams were received. The public will have an opportunity to comment on the formal inclusion of these four segments during a 30-day WQMP comment period (May 8, 2015 through June 8, 2015).

The final TMDL allocations for these four AUs were given in Table 30 in the original TMDL document (presented as Table 1 here).

Table 1. Final *E. coli* TMDL allocations for all AUs for water bodies with concerns for use

<b>Stream</b>	<b>AU</b>	<b>TMDL<sup>a</sup></b> (Billion MPN/day)	<b>WLA<sub>WWTF</sub><sup>b</sup></b> (Billion MPN/day)	<b>WLA<sub>SW</sub><sup>c</sup></b> (Billion MPN/day)	<b>LA<sub>Total</sub><sup>d</sup></b> (Billion MPN/day)	<b>MOS</b> (Billion MPN/day)
Walnut Creek	1428B_01	283.36	0.00	17.89	264.53	0.94
Walnut Creek	1428B_02	264.53	0.00	87.89	172.01	4.63
Walnut Creek	1428B_03	172.01	0.00	10.16	161.32	0.53
Walnut Creek	1428B_04	161.32	0.00	82.09	74.91	4.32

<sup>a</sup> Total TMDL allowed from all sources, calculated from median high flow

<sup>b</sup> For all AUs, WLA<sub>WWTF</sub> = 0.00 because there are no WWTFs

<sup>c</sup> Permitted loads from MS4 stormwater

<sup>d</sup> Non-permitted loads from all sources, including non-MS4 stormwater