

# **Amendment # 1 to the Trinity River Authority Clean Rivers Program FY 2014/2015 QAPP**

***Prepared by the Trinity River Authority in Cooperation with the Texas Commission on Environmental Quality (TCEQ)***

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**Effective: Immediately upon approval by all parties**

Questions concerning this QAPP should be directed to:

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## Justification

This document details changes made to the basin-wide Quality Assurance Project Plan in order to update the parameters sampled by the Trinity River Authority by removing NO2 PLUS NO3-N, TOTAL, CALCULATED VALUE (MG/L AS N) and adding NITRATE NITROGEN, TOTAL (MG/L AS N) to Table A7.5.

## Detail of Changes

Section/Figure/Table	Page	Change	Justification
Table A7.5 Measurement Performance Specifications for Trinity River Authority	71	Change NO2 PLUS NO3-N, TOTAL, CALCULATED VALUE (MG/L AS N) and storet code 00593 to NITRATE NITROGEN, TOTAL (MG/L AS N) and storet code 00620.	Nitrate is a higher priority parameter than NO2 plus NO3.

Details of the changes listed above are shown on the following page.

**BASIN-WIDE QAPP CHANGES – REPLACES PAGE 71**

Flow Parameters										
Parameter	Units	Matrix	Method	Parameter Code	AWRL	LOQ	LOQ Check Sample %Rec	Precision (RPD of LCS/LCSD)	Bias %Rec. of LCS	Lab
FLOW STREAM, INSTANTANEOUS (CUBIC FEET PER SEC)	cfs	water	TCEQ SOP V1	00061	NA <sup>1</sup>	NA	NA	NA	NA	Field
FLOW SEVERITY:1=No Flow,2=Low,3=Normal,4=Flood,5=High,6=Dry	NU	water	TCEQ SOP V1	01351	NA <sup>1</sup>	NA	NA	NA	NA	Field
FLOW MTH 1=GAGE 2=ELEC 3=MECH 4=WEIR/FLU 5=DOPPLER	NU	other	TCEQ SOP V1	89835	NA <sup>1</sup>	NA	NA	NA	NA	Field
Bacteriological Parameters in Water										
Parameter	Units	Matrix	Method	Parameter Code	AWRL	LOQ	LOQ Check Sample %Rec	Precision (RPD of LCS/LCSD)	Bias %Rec. of LCS	Lab
E. COLI, COLILERT, IDEXX METHOD, MPN/100ML	MPN/100 mL	water	Colilert/Colilert-18	31699	1	1	NA	0.50 <sup>4</sup>	NA	TRA
Conventional Parameters in Water										
Parameter	Units	Matrix	Method	Parameter Code	AWRL	LOQ	LOQ Check Sample %Rec	Precision (RPD of LCS/LCSD)	Bias %Rec. of LCS	Lab
ALKALINITY, TOTAL (MG/L AS CaCO <sub>3</sub> )	mg/L	water	SM 2320 B	00410	20	20	NA	20	NA	TRA
RESIDUE, TOTAL NONFILTRABLE (MG/L)	mg/L	water	SM 2540 D	00530	5	2	NA	NA	NA	TRA
RESIDUE, VOLATILE NONFILTRABLE (MG/L)	mg/L	water	EPA 160.4	00535	5	2	NA	NA	NA	TRA
NITROGEN, AMMONIA, TOTAL (MG/L AS N)	mg/L	water	SM 4500 NH <sub>3</sub> H	00610	0.1	0.02	70-130	20	80-120	TRA
NITRITE NITROGEN, TOTAL (MG/L AS N)	mg/L	water	EPA 300.0 Rev. 2.1 (1993)	00615	0.05	0.05	70-130	20	80-120	TRA
<b>NITRATE NITROGEN, TOTAL (MG/L AS N)</b>	<b>mg/L</b>	<b>water</b>	<b>EPA 300.0 Rev. 2.1 (1993)</b>	<b>00620</b>	<b>0.05</b>	<b>0.05</b>	<b>70-130</b>	<b>20</b>	<b>80-120</b>	<b>TRA</b>
NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	mg/L	water	EPA 351.2	00625	0.2	0.2	70-130	20	80-120	TRA
<b>NO<sub>2</sub> PLUS NO<sub>3</sub>-N, TOTAL, CALCULATED VALUE (MG/L AS N)</b>	<b>mg/L</b>	<b>water</b>	<b>EPA 300.0 Rev. 2.1 (1993)</b>	<b>00593</b>	<b>0.05</b>	<b>0.05</b>	<b>70-130</b>	<b>20</b>	<b>80-120</b>	<b>TRA</b>
PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)	mg/L	water	SM 4500 P E	00665	0.06	0.02	70-130	20	80-120	TRA
CARBON, TOTAL ORGANIC, NPOC (TOC), MG/L	mg/L	water	SM 5310 C	00680	2	2	NA	NA	NA	TRA
HARDNESS, TOTAL (MG/L AS CaCO <sub>3</sub> ) <sup>3</sup>	mg/L	water	SM 2340 C	00900	5	5	NA	20	80-120	TRA
CHLORIDE (MG/L AS CL)	mg/L	water	EPA 300.0 Rev. 2.1 (1993)	00940	5	5	70-130	20	80-120	TRA

## **Distribution**

QAPP Amendments and Revisions to Appendices will be distributed to all personnel on the distribution list maintained by the Trinity River Authority.

These changes will be incorporated into the QAPP document and TCEQ and the Trinity River Authority will acknowledge and accept these changes by signing this amendment.



## **Trinity River Authority**

*Approved Electronically Effective April 28, 2014*

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TRA Senior Project Manager	

*Approved Electronically Effective April 28, 2014*

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*Approved Electronically Effective April 28, 2014*

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*Approved Electronically Effective April 28, 2014*

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*Approved Electronically Effective April 28, 2014*

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