

**Amendment Number Three
to the
Clean Rivers Program
FY 2006 – FY 2007
Quality Assurance Project Plan
for the
Red and Canadian River Basins**

**Prepared by the
Red River Authority of Texas
3000 Hammon Road
P.O. Box 240
Wichita Falls, Texas 76307-0240**

**In Cooperation With
the
Texas Commission on Environmental Quality (TCEQ)**

Questions concerning this QAPP should be directed to:

James E. Wright, Environmental Services Division Manager
Red River Authority of Texas
3000 Hammon Road
P.O. Box 240
Wichita Falls, Texas 76307-0240
(940) 723-8697
(940) 723-8531
jwright@rra.dst.tx.us

Effective:

Justification:

Correction change in parameter on Table A7.1 for Calcium.

Detail of Changes:

Update Table A7.1 – Measurement Performance Specifications

Conventional and Bacteriological Section:

Change Calcium, Total (00916) to Calcium, Dissolved (00915)

Distribution: QAPP Amendments/Revisions to Appendices will be distributed to all personnel on the distribution list maintained by the Planning Agency.

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

James E. Wright, Red River Authority Project Manager	Date
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David L. Holub, Red River Authority Quality Assurance Officer	Date
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Cory Horan, TCEQ CRP Project Manager	Date
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Jennifer Delk, TCEQ CRP Project Quality Assurance Specialist	Date
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Daniel R. Burke, CRP Lead Quality Assurance Specialist	Date
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Laurie Curra, TCEQ CRP Manager	Date
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CONVENTIONAL AND BACTERIOLOGICAL PARAMETERS (continued)										
PARAMETER	UNITS	MATRIX	METHOD	STORET	AWRL	LAB REPORTING LIMIT (RL)	RECOVERY AT RLS	PRECISION (RPD OF LCS / LCS DUPS)	BIAS % REC. OF LCS	LAB
E. coli, IDEXX Colilert	MPN/100 mL	Water	SM 9223-B	31699	1	1	NA	.5 **	NA	RRA
Fecal Coliform	cfu / 100 mL	Water	SM 9222-D	31616	1	1	NA	.5 **	NA	RRA
Fluoride, Total	mg/L	Water	EPA 300.0	00951	.5	.5	75-125	20	80-120	CRMWA
Fluoride, Total	mg/L	Water	EPA 300.0	00951	.5	.5	75-125	20	80-120	RRA
Pheophytin, Fluorometric Method	ug/L	Water	SM 10200-H	32213	3	3	NA	20	NA	LCRA
Pheophytin, Spectrophoto- metric Method	ug/L	Water	EPA 446.0	32218	3	2	NA	20	NA	LCRA
Pheophytin, Spectrophoto- metric Method	ug/L	Water	EPA 446.0	32218	3	3	NA	20	NA	RRA
Sulfate	mg/L	Water	EPA 300.0	00945	10	10	75-125	20	80-120	RRA
Sulfate	mg/L	Water	EPA 300.0	00945	10	10	75-125	20	80-120	CRMWA
TDS, Calculated	mg/L	Water	Calculation	70294	NA	NA	NA	NA	NA	RRA
TDS, Dried at 180 Degrees C	mg/L	Water	EPA 160.1	70300	10	10	NA	20	NA	RRA
TSS	mg/L	Water	EPA 160.2	00530	4	4	NA	20	NA	RRA
FIELD, CONVENTIONAL AND BACTERIOLOGICAL PARAMETERS; NON-TSWQS METALS										
Alkalinity, Total	mg/L	Water	EPA 310.1	00410	10	10	NA	20	80-120	RRA
Alkalinity, Total	mg/L	Water	EPA 310.1	00410	10	10	NA	20	80-120	CRMWA
*Calcium, Dissolved	mg/L	Water	EPA 215.2	* 00915	.5	.5	75-125	20	80-120	RRA
COD	mg/L	Water	EPA 410.2	00335	10	10	75-125	20	80-120	RRA

* Change parameter from Calcium, Total (storet code 00915) to Calcium, Dissolved (storet code 00915)