Amendment #

Update to Appendix B Sampling Process Design and Monitoring Schedule to the Clean Rivers Program FY 2018/2019 QAPP

Prepared by the Basin Planning Agency in Cooperation with the Texas Commission on Environmental Quality (TCEQ)

Effective: Immediately upon approval by all parties

**Questions concerning this QAPP should be directed to:**

# Justification

This document details the changes made to the basin-wide Quality Assurance Project Plan to update Appendix B for fiscal year 2019. This document also updates required field parameters, updates personnel changes, and adds language about laboratory subcontracting and QA responsibilities.

# Summary of Changes

Section A3: The Distribution List was changed to reflect personnel changes at TCEQ.

Section A4: The Project/Task Organization Approval Page was changed to reflect personnel changes at TCEQ.

Figure A4.1: Organization Chart Approval Page was changed to reflect personnel changes at TCEQ.

Section B5: Addition of TNI language referencing the subcontracting of laboratory tests.

Appendix A, Table A7: Please remove the parameter codes 89978 PRIMARY CONTACT, OBSERVED ACTIVITY (# OF PEOPLE OBSERVED) and 89979 EVIDENCE OF PRIMARY CONTACT RECREATION (1=OBSERVED, 0=NOT OBSERVED) from the required parameters for CRP monitoring.

The following information in Appendix B is amended to reflect changes to:

* Sample design rationale FY 2017
* Monitoring Sites table with updated legends
* Maps of sampling sites

# Detail of Changes

**A3 Distribution List**

Section A3: The Distribution List was changed to reflect personnel changes at TCEQ: “XXX” was changed to “YYY” as the TCEQ CRP PM and the phone number was changed from “512-239-XXXX” to “512-239-YYYY”.

**A4 Project/Task Organization**

Section A4: The Project/Task Organization section was changed to reflect personnel changes at TCEQ; “XXX” was changed to “YYY” as the TCEQ CRP PM.

**Figure A4.1. Organization Chart - Lines of Communication**

Figure A4.1: Organization Chart Approval Page was changed to reflect personnel changes at TCEQ; “XXX” was changed to “YYY” as the TCEQ CRP PM.

**B5 Quality Control**

Section B5: Added language to the “Quality Control or Acceptability Requirements Deficiencies and Corrective Actions” section to clarify the QA/QC responsibilities of labs included as signatories to this QAPP who subcontract lab work for this project.

**Appendix A: Table A7**

Table A7: The parameter codes 89978 PRIMARY CONTACT, OBSERVED ACTIVITY (# OF PEOPLE OBSERVED) and 89979 EVIDENCE OF PRIMARY CONTACT RECREATION (1=OBSERVED, 0=NOT OBSERVED) are no longer requested for the CRP program.

**Appendix B: Sample Design Rationale FY 2019**

## Monitoring Sites Table

The attached monitoring Table in Appendix B is added to reflect monitoring for FY 2019.

## Maps

The attached maps are added to Appendix C to reflect monitoring sites for FY 2019.

These changes will be incorporated into the QAPP document and TCEQ and the Basin Planning Agency will acknowledge and accept these changes by signing this document.

# A3 Distribution List

Name, Project Manager

Clean Rivers Program

MC-234

(512) 239-XXXX

**A4 PROJECT/TASK ORGANIZATION**

#### Name

#### CRP Project Manager

Responsible for the development, implementation, and maintenance of CRP contracts. Tracks, reviews, and approves deliverables. Participates in the development, approval, implementation, and maintenance of written QA standards (e.g., Program Guidance, SOPs, QAPPs, QMP). Assists CRP Lead QA Specialist in conducting Basin Planning Agency audits. Verifies QAPPs are being followed by contractors and that projects are producing data of known quality. Coordinates project planning with the Basin Planning Agency Project Manager. Reviews and approves data and reports produced by contractors. Notifies QA Specialists of circumstances which may adversely affect the quality of data derived from the collection and analysis of samples. Develops, enforces, and monitors corrective action measures to ensure contractors meet deadlines and scheduled commitments.

**Project Organization Chart**

**Figure A4.1. Organization Chart - Lines of Communication**

**B5 Quality Control**

## Quality Control or Acceptability Requirements Deficiencies and Corrective Actions

Sampling QC excursions are evaluated by the Lead Organization Project Manager, in consultation with the Lead Organization QAO. In that differences in sample results are used to assess the entire sampling process, including environmental variability, the arbitrary rejection of results based on pre-determined limits is not practical. Therefore, the professional judgment of the Basin Planning Agency Project Manager and QAO will be relied upon in evaluating results. Rejecting sample results based on wide variability is a possibility. Field blanks for trace elements and trace organics are scrutinized very closely. Field blank values exceeding the acceptability criteria will automatically invalidate the sample. Notations of blank contamination are noted in the quarterly report and the final QC Report. Equipment blanks for metals analysis are also scrutinized very closely.

Laboratory measurement quality control failures are evaluated by the laboratory staff. The disposition of such failures and the nature and disposition of the problem is reported to the Basin Planning Agency Laboratory QAO. The Laboratory QAO will discuss with the Basin Planning Agency Project Manager. If applicable, the Basin Planning Agency Project Manager will include this information in the CAP and submit with the Progress Report which is sent to the TCEQ CRP Project Manager.

Additionally, in accordance with CRP requirements and the TNI Standard (Volume 1, Module 2, Section 4.5, Subcontracting of Environmental Tests) when a laboratory that is a signatory of this QAPP finds it necessary and/or advantageous to subcontract analyses, the laboratory that is the signatory on this QAPP must ensure that the subcontracting laboratory is NELAP-accredited (when required) and understands and follows the QA/QC requirements included in this QAPP, including methodology. The signatory laboratory is also responsible for quality assurance of the data prior to delivering it to the Basin Planning Agency, including review of all applicable QC samples related to CRP data. As stated in section 4.5.5 of the TNI Standard, the laboratory performing the subcontracted work shall be indicated in the final report and the signatory laboratory shall make a copy of the subcontractor’s report available to the client (Basin Planning Agency) when requested.

The definition of and process for handling deficiencies and corrective action are defined in Section C1.

**Appendix A: Measurement Performance Specifications (Table A7.1)**

*The parameter codes 89978 PRIMARY CONTACT, OBSERVED ACTIVITY (# OF PEOPLE OBSERVED) and 89979 EVIDENCE OF PRIMARY CONTACT RECREATION (1=OBSERVED, 0=NOT OBSERVED) are no longer requested for the CRP program. Please remove these parameters from all A7 tables if your program intends to discontinue reporting these parameters as a part of routine monitoring. If your program wishes to continue reporting these parameters, there is no need to remove them from your QAPP, but please notify your TCEQ project manager.*

# Appendix B Sampling Process Design and Monitoring Schedule (plan)

### Sample Design Rationale FY 2019

The sample design is based on the legislative intent of CRP. Under the legislation, the Basin Planning Agencies have been tasked with providing data to characterize water quality conditions in support of the Texas Water Quality Integrated Report, and to identify significant long-term water quality trends. Based on Steering Committee input, achievable water quality objectives and priorities and the identification of water quality issues are used to develop work plans which are in accord with available resources. As part of the Steering Committee process, the Basin Planning Agency coordinates closely with the TCEQ and other participants to ensure a comprehensive water monitoring strategy within the watershed.

### Monitoring Sites for FY 2019

The sample design for SWQM is shown in Table B1.1 below.

### Table B1.1 Sample Design and Schedule, FY 2019

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| Site Description | Station ID | Waterbody ID | Region | SE | CE | MT | 24 hr DO | AqHab | Benthics | Nekton | Metal Water | Organic Water | Metal Sed | Organic Sed | Conv | Amb Tox Water | Amb Tox Sed | Bacteria | Flow | Fish Tissue | Field | Comments |
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# Appendix C: Station Location Maps

### Station Location Maps

Maps of stations monitored by the are provided below. The maps were generated by the . This product is for informational purposes and may not have been prepared for or be suitable for legal, engineering, or surveying purposes. It does not represent an on-the-ground survey and represents only the approximate relative location of property boundaries. For more information concerning this map, contact .