

Quarterly Progress Report

FY 17 Q 3

Entity: TWRI

Contract No: 582-14-41167

Project Name: Brownsville/Resaca Characterization

Date Submitted: 6/19/17

Contractor Project Manager: Jaime Flores

Approval Signature _____ Date _____

TCEQ Project Manager: Tim Cawthon

Approval* Signature _____ Date _____

* The TCEQ Project Manager's signature indicates that the QPR is accepted as a project deliverable and also authorizes any changes in deliverable due dates requested in the Deliverables sheet. Approved due date changes should be inserted in the "Current Due Date" column in the next QPR.

QPRs are due to the TCEQ Project Manager by the 15th of the month following each fiscal quarter. Specifically these dates are December 15th, March 15th, June 15th, and September 15th. Fill out appropriate areas and email the Excel workbook to the TCEQ Project Manager. The TCEQ Project Manager will review and either: 1) Approve, sign and date, and e-mail a scanned copy of the approved QPR to the contractor or 2) send back with comments. Once comments have been addressed and a final version is approved, the TCEQ Project Manager will send a signed version of the QPR to the contractor. The Contractor Project Manager must then print the signed version of the QPR and sign and date the cover page. Once signed, the entire QPR must be scanned and sent by e-mail to the TCEQ Project Manager along with the final Excel document.

If a deliverable is or will be late, a new due date must be proposed. If this is the case, a justification describing the circumstances necessitating the new due date must be provided.

| ID# | Sub Task # | Deliverable | Current Due Date | Date Sent | Discussion of Progress Last Quarter (Delete info from prior QPRs, and leave blank if no progress occurred) | Proposed New Due Date |
|------|------------|--------------------------|------------------|-------------|--|-----------------------|
| 2054 | 1.2 | QPR (FY14Q3) | 06/15/14 | 06/17/14 | | |
| 2055 | 1.2 | QPR (FY14Q4) | 09/15/14 | 09/15/14 | | |
| 2056 | 1.2 | QPR (FY15Q1) | 12/15/14 | 12/15/14 | | |
| 2057 | 1.2 | QPR (FY15Q2) | 03/15/15 | 03/15/15 | | |
| 2058 | 1.2 | QPR (FY15Q3) | 06/15/15 | 06/12/15 | | |
| 2059 | 1.2 | QPR (FY15Q4) | 09/15/15 | 09/15/15 | | |
| 2060 | 1.2 | QPR (FY16Q1) | 12/15/15 | 12/15/15 | | |
| 2061 | 1.2 | QPR (FY16Q2) | 03/15/16 | 03/15/16 | | |
| 2062 | 1.2 | QPR (FY16Q3) | 06/15/16 | 06/27/16 | | |
| 2063 | 1.2 | QPR (FY16Q4) | 09/15/16 | 09/14/16 | | |
| 2064 | 1.2 | QPR (FY17Q1) | 12/15/16 | 12/19/16 | | |
| 6132 | 1.2 | QPR (FY17Q2) | 03/15/17 | 03/21/17 | | |
| 6133 | 1.2 | QPR (FY17Q3) | 06/15/17 | 06/19/17 | | |
| 6134 | 1.2 | QPR (FY17Q4) | 09/15/17 | | | |
| 6135 | 1.2 | QPR (FY18Q1) | 12/15/17 | | | |
| 6136 | 1.2 | QPR (FY18Q2) | 03/15/18 | | | |
| 6137 | 1.2 | QPR (FY18Q3) | 06/15/18 | | | |
| 6138 | 1.2 | QPR (FY18Q4) | 09/15/18 | | | |
| 2118 | 1.3 | Invoice (FY14Q3) | 06/30/14 | No Expenses | | |
| 2119 | 1.3 | Invoice (FY14Q4) | 09/30/14 | 10/13/14 | | |
| 2120 | 1.3 | Invoice (FY15Q1) | 12/31/14 | 12/19/14 | | |
| 2121 | 1.3 | Invoice (FY15Q2) | 03/31/15 | 03/24/15 | | |
| 2122 | 1.3 | Invoice (FY15Q3) | 06/30/15 | 06/12/15 | | |
| 2123 | 1.3 | Invoice (FY15Q4)(August) | 09/30/15 | 09/15/15 | | |
| 4757 | 1.3 | Invoice (FY15Q4)(July) | 08/15/15 | 08/13/15 | | |
| 4482 | 1.3 | Invoice (FY15Q4)(June) | 07/15/15 | 07/14/15 | | |
| 2124 | 1.3 | Invoice (FY16Q1) | 12/31/15 | 12/17/15 | | |
| 2125 | 1.3 | Invoice (FY16Q2) | 03/31/16 | 03/04/16 | | |
| 2126 | 1.3 | Invoice (FY16Q3) | 06/30/16 | 06/22/16 | | |
| 2127 | 1.3 | Invoice (FY16Q4) | 09/30/16 | 09/16/17 | | |

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|------|------------|----------------------------------|------------------|-------------|--|-----------------------|
| 6122 | 1.3 | Invoice (FY17Q1) | 12/31/16 | 12/15/16 | | |
| 6123 | 1.3 | Invoice (FY17Q2) | 03/31/17 | 03/15/17 | | |
| 6124 | 1.3 | Invoice (FY17Q3) | 06/30/17 | 06/15/17 | | |
| 6125 | 1.3 | Invoice (FY17Q4) | 09/30/17 | | | |
| 6126 | 1.3 | Invoice (FY18Q1) | 12/31/17 | | | |
| 6127 | 1.3 | Invoice (FY18Q2) | 03/31/18 | | | |
| 6128 | 1.3 | Invoice (FY18Q3) | 06/30/18 | | | |
| 6129 | 1.3 | Invoice (FY18Q4)_June | 07/15/18 | | | |
| 6130 | 1.3 | Invoice (FY18Q4)_July | 08/15/18 | | | |
| 6131 | 1.3 | Invoice (FY18Q4)_Aug | 09/30/18 | | | |
| 2065 | 1.4 | Post-Award Mtg | 03/14/14 | 03/21/14 | | |
| 2067 | 1.4 | Quarterly Communication (FY14Q4) | 08/31/14 | 09/04/14 | | |
| 2068 | 1.4 | Quarterly Communication (FY15Q1) | 11/30/14 | 11/21/14 | | |
| 2069 | 1.4 | Quarterly Communication (FY15Q2) | 02/28/15 | 02/18/15 | | |
| 2070 | 1.4 | Quarterly Communication (FY15Q3) | 05/30/15 | 05/28/15 | | |
| 2071 | 1.4 | Quarterly Communication (FY15Q4) | 08/31/15 | 10/26-28/15 | | |
| 2072 | 1.4 | Quarterly Communication (FY16Q1) | 11/30/15 | 12/15/15 | | |
| 2073 | 1.4 | Quarterly Communication (FY16Q2) | 02/28/16 | 01/21/16 | | |
| 2074 | 1.4 | Quarterly Communication (FY16Q3) | 05/30/16 | 05/17/16 | | |
| 2075 | 1.4 | Quarterly Communication (FY16Q4) | 08/31/16 | 07/12/16 | | |

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|--|------------|---|------------------|-----------|--|-----------------------|
| ID# | Sub Task # | Deliverable | Current Due Date | Date Sent | Discussion of Progress Last Quarter (Delete info from prior QPRs, and leave blank if no progress occurred) | Proposed New Due Date |
| 2076 | 1.4 | Quarterly Communication (FY17Q1) | 11/30/16 | 12/16/16 | | |
| 6139 | 1.4 | Quarterly Communication (FY17Q2) | 02/28/17 | 02/28/17 | | |
| 6140 | 1.4 | Quarterly Communication (FY17Q3) | 05/31/17 | 05/04/17 | | |
| 6141 | 1.4 | Quarterly Communication (FY17Q4) | 08/31/17 | | Planned a conference call last week, will follow through by 6/23/17 | |
| 6142 | 1.4 | Quarterly Communication (FY18Q1) | 11/30/17 | | | |
| 6143 | 1.4 | Quarterly Communication (FY18Q2) | 02/28/18 | | | |
| 6144 | 1.4 | Quarterly Communication (FY18Q3) | 05/31/18 | | | |
| 6145 | 1.4 | Quarterly Communication (FY18Q4) | 08/31/18 | | | |
| 2077 | 1.5 | EPA Coordination Meeting | 08/31/18 | | | |
| 2079 | 1.6 | Annual Report Article | 08/01/17 | | | |
| 6107 | 2 | Field Data Sheets from 1st sampling event | 11/30/16 | 01/27/17 | | |
| 6113 | 2 | QAPP Amendment | 10/31/16 | 03/10/17 | | |
| 2081 | 2.1 | QAPP Planning Mtg | 03/14/14 | 03/21/14 | | |
| 2082 | 2.2 | Draft Secondary Data QAPP | 05/30/14 | 08/01/14 | | |
| 2083 | 2.2 | Final Secondary Data QAPP | 07/31/14 | 10/04/14 | | |
| 2084 | 2.3 | Draft Monitoring QAPP | 03/30/15 | 08/21/15 | | |
| 2085 | 2.3 | Final Monitoring QAPP | 06/21/16 | 06/30/16 | | |
| 4138 | 2.4 | 1st Monitoring QAPP Certification (due within 90 days of anniversary date)*Date will be adjusted once QAPP executed | 07/15/17 | | | |

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| 4136 | 2.4 | 1st Secondary Data QAPP Certification (due within 90 days of anniversary date)*Date will be adjusted once QAPP executed | 07/10/15 | 10/13/15 | | |
| 4139 | 2.4 | 2nd Monitoring QAPP Certification (due within 90 days of anniversary date)*Date will be adjusted once QAPP executed*If necessary | 07/15/18 | | | |
| 4137 | 2.4 | 2nd Secondary Data QAPP Certification (due within 90 days of anniversary date)*Date will be adjusted once QAPP executed | 07/10/16 | 08/28/16 | | |
| 6146 | 2.6 | Draft QAPP for Modeling | 07/31/17 | | | |
| 6147 | 2.6 | Final QAPP for Modeling | 09/01/17 | | | |
| 4140 | 3.1 | Assemble existing data and information | 12/31/15 | 01/28/15 | | |
| 4141 | 3.2 | Analyze existing data and information | 12/31/15 | 02/28/15 | | |
| 4142 | 3.3 | Identify additional data collection needs | 12/31/15 | 09/16/15 | | |
| 4143 | 3.4 | Identify analytical method for estimating pollutant loads | 09/15/16 | 09/16/15 | | |
| 6149 | 3.5 | Geospatial Database | 01/01/18 | | awaiting amendment | |
| 6150 | 3.6 | OSSF Estimation Report | 08/01/17 | | awaiting amendment | |
| 2090 | 3.7 | Draft Watershed Characterization - Data Evaluation Report | 07/31/17 | | | |
| 6148 | 3.7 | Final Watershed Characterization - Data Evaluation Report | 08/01/17 | | | |
| 2132 | 3.8 | Data Submittal 1 | 03/15/17 | 04/12/17 | | |
| 2133 | 3.8 | Data Submittal 2 | 09/15/17 | | | |

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|------|------------|---|------------------|-----------|--|-----------------------|
| 6151 | 3.8 | Data Submittal 3 | 03/15/18 | | | |
| 6152 | 3.8 | Data Submittal 4 | 09/15/18 | | | |
| 2092 | 3.8 | Draft Water Quality Monitoring Report (With Draft Final Report) | 06/01/18 | | | |
| 2093 | 3.8 | Final Water Quality Monitoring Report (With Final Report) | 08/31/18 | | | |
| 2094 | 4.1 | Draft Public Participation Plan | 06/15/14 | 09/17/14 | | |
| 2095 | 4.1 | Final Public Participation Plan | 06/25/15 | 06/25/15 | | |
| 6114 | 4.1 | FY17Q1 Webpage Update | 12/15/16 | 11/17/16 | Meeting summaries were posted on the webpage on 11/17/16 | |
| 6115 | 4.1 | FY17Q2 Webpage Update | 03/15/17 | 01/20/17 | FY17 Q 1 QPR was posted on website | |
| 6116 | 4.1 | FY17Q3 Webpage Update | 06/15/17 | 06/20/17 | FY17 Q 2 & 3 QPR was posted on website | |
| 6117 | 4.1 | FY17Q4 Webpage Update | 09/15/17 | | | |
| 6153 | 4.1 | FY18Q1 Webpage Update | 12/15/17 | | | |
| 6154 | 4.1 | FY18Q2 Webpage Update | 03/15/18 | | | |
| 6155 | 4.1 | FY18Q3 Webpage Update | 06/15/18 | | | |
| 6156 | 4.1 | FY18Q4 Webpage Update | 09/15/18 | | | |
| 2096 | 4.2 | Key stakeholder Meetings (FY14Q3)(2 per quarter during 1st year of project) | 05/30/14 | 07/22/14 | | |
| 2097 | 4.2 | Key stakeholder Meetings (FY14Q4)(2 per quarter during 1st year of project) | 12/03/14 | 12/03/14 | | |
| 4144 | 4.2 | Key stakeholder Meetings (FY15Q1)(2 per quarter during 1st year of project) | 02/28/15 | 02/26/15 | | |
| 4145 | 4.2 | Key stakeholder Meetings (FY15Q2)(2 per quarter during 1st year of project) | 02/28/15 | 03/31/15 | | |
| 2098 | 4.3 | Stakeholder Group Meeting (1of6) | 02/28/15 | 02/26/15 | | |

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| 2099 | 4.3 | Stakeholder Group Meeting (2of6) | 05/28/15 | 06/25/15 | | |
| 2100 | 4.3 | Stakeholder Group Meeting (3of6) | 11/15/15 | 01/21/16 | | |
| 2101 | 4.3 | Stakeholder Group Meeting (4of6) | 06/13/16 | 04/14/16 | | |
| 2102 | 4.3 | Stakeholder Group Meeting (5of6) | 08/31/16 | 06/30/16 | | |
| 2103 | 4.3 | Stakeholder Group Meeting (6of6) | 12/31/16 | 07/27/16 | | |
| 6157 | 4.3 | Stakeholder Group Meeting (7of7) | 08/31/17 | | | |
| 2105 | 4.4 | 1of3 Mass media communication | 02/28/15 | 02/15/15 | | |
| 2106 | 4.4 | 2of3 Mass media communication | 02/28/16 | 09/03/15 | | |
| 2107 | 4.4 | 3of3 Mass media communication | 12/01/16 | | TWRI PM suggests announcing the current grant extension and the FY17 grant being awarded to UTRGV. | 7/31/2017 |
| 2104 | 4.4 | Project webpage developed | 05/30/14 | 09/17/14 | | |
| 2108 | 4.4 | Public Outreach Event (1of6) | 04/30/15 | 04/30/15 | | |
| 2109 | 4.4 | Public Outreach Event (2of6) | 04/30/15 | 07/02/15 | | |
| 2110 | 4.4 | Public Outreach Event (3of6) | 08/31/15 | 09/09/15 | | |
| 2111 | 4.4 | Public Outreach Event (4of6) | 09/30/16 | | The TWRI PM discussed this topic with the SC and it was suggested that we partner with another existing event, summit or meeting. Will ask the UTRGV/SC what they want to do. | 7/31/2017 |
| 2112 | 4.4 | Public Outreach Event (5of6) | 12/15/16 | | The TWRI PM discussed this topic with the SC and it was suggested that we partner with another existing event, summit or meeting. Will ask the UTRGV/SC what they want to do. | 7/31/2017 |
| 2113 | 4.4 | Public Outreach Event (6of6) | 12/01/17 | | | |
| 2114 | 4.5 | Draft Partnership Coordination Report (In Final Report) | 08/01/17 | | | |
| 2115 | 4.5 | Final Partnership Coordination Report (In Final Report) | 08/31/17 | | | |

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| 2116 | 5.1 | Draft Final Report | 06/01/18 | | | |
| 2117 | 5.2 | Final Report | 08/01/18 | | | |

| Task/Issue | Additional Description of Quarterly Activities, Milestones, and Issues |
|--|--|
| [Include additional entries as appropriate] | |
| TWRI Project coordination/Stakeholder meetings | No stakeholder meetings were held during this reporting period. The TCEQ, TWRI & UTRGV PMs worked together to develop a power point presentation on the Brownsville Watershed Characterization project and presented it at the Stormwater Conference on May 27, 2017. All materials provided at the meeting have been posted to the on the ACWP website. |
| Monitoring QAPP | TWRI and UTRGV PMs conducted water quality monitoring/sampling events on 3/30/17 & 5/31/17. Monitoring will continue as scheduled in the QAPP. |
| Monitoring/Water Quality Sampling | The project team conducted water quality sampling March 30, 2017 and May May 31, 2017. TWRI has succesfully uploaded all sampling data up until the March sampling event. May's data will be uploaded by the end of June. |
| SDQAPP | The TWRI PM has submitted SDQAPP, received TCEQ comments, addressed TCEQ comments and re-submitted the SDQAPP. |
| Watershed Characterization Report | TWRI PM submitted a draft Characterization report to the TCEQ. TCEQ PM replied with comments/edits in May. TWRI & UTRGV PMs have reviewed TCEQ comments and the Draft Watershed Characterization Report to determine what is needed to completed the report and make an action item list to do so. |
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Note: The purpose of this sheet is to provide for an ongoing discussion of tasks to document overall progress and to raise any overall issues that don't relate to specific deliverables.

Note: Please address activities and issues related to contract amendments, budget revisions, and other administrative matters under Task 1.

| | |
|---|--|
| Have any nonconformances occurred in the previous quarter? Yes/No | |
| Add any nonconformances and the corresponding corrective actions to the Corrective Action Status Table below. Nonconformances that impact the quality or quantity of data <u>must</u> be communicated to the NPS Project Manager and Lead QA Specialist immediately and a Corrective Action Plan submitted within 14 days of the nonconformance occurring. | |

Corrective Action Status Table

| Corrective Action # | Date Issued | Description of Deficiency | Action Taken | Date Closed |
|---------------------|-------------|-------------------------------|--|-------------|
| NC1-1 | 2/22/2017 | Bottle Size | Phone Conversation between lab and UTRGV on 1/27/17. | 2/22/2017 |
| NC1-1 | 2/22/2017 | Bottle Size | Documentation of implementation for March sampling event to be sent to TCEQ. | |
| NC1-2 | 2/22/2017 | Duplicates | Phone Conversation between lab and UTRGV on 1/27/17. | 2/22/2017 |
| NC1-2 | 2/22/2017 | Duplicates | Revised Chain of Custody Form with instructions regarding duplicates for lab. Revised COC approved by TCEQ. | 3/27/2017 |
| NC1-2 | 2/22/2017 | Duplicates | Documentation of implementation for March sampling event to be sent to TCEQ. | |
| NC1-3 | 2/22/2017 | Dilution | E-mail with lab on 2/1/17 and Phone conversation on 2/1/17. | 2/22/2017 |
| NC1-3 | 2/22/2017 | Dilution | Revised Chain of Custody Form with place for documenting samples of Marin origin. Also, reminder to lab to dilute 10x. Revised COC approved by TCEQ. | 3/27/2017 |
| NC1-3 | 2/22/2017 | Dilution | Documentation of implementation for March sampling event to be sent to TCEQ. | |
| NC1-4 | 2/22/2017 | Initialing | In person discussion with lab on 1/30/17. | 2/22/2017 |
| NC1-5 | 2/22/2017 | Reduction in bacteria samples | Contract amendment by 5/15/17. | |