



1201 Leopard St.
Corpus Christi, TX 78401

QUARTERLY PROJECT PERFORMANCE REPORT

Date: October 31, 2017

Reporting Period: Q3 CY17, July 1 – September 30, 2017

Recipient: Corpus Christi Aquifer Storage and Recovery Conservation District
Larjaj Francis, CCASRCD Project Manager
1201 Leopard Street
Corpus Christi, Texas 78401-2825

Executive Administrator Designee: Matthew Webb, TWDB Project Manager

Subject: Research Contract between the Corpus Christi Aquifer Storage and Recovery Conservation District and the Texas Development Board, Contract No. 1600011956

Project: Corpus Christi ASR Feasibility Study

Work Completed:

Pursuant to Section II, Article II, subsection 3 of the Contract this progress report represents a summary of work completed during the 2nd Quarter 2017 for the Corpus Christi ASR Feasibility Study. Exhibit B of the TWDB contract include the Scope of Work. Exhibit B contain six (6) distinct tasks with subtasks. An update to these tasks is provided overleaf and thus serves as the update mechanism for this contract. The Exploratory Test Drilling Program Contract was approved by City Council on July 18, 2017 to Felder Water Well & Pump Service LLC. The major activities billed in this quarter relates to activities connected with retaining the driller as a best value procurement. At the time, Felder WW was not the lowest bidder, however due to review in the Engineering department, the City determined that Felder was indeed the lowest responsive and responsible bidder because of their extensive experience with drilling in the Gulf Coast aquifer, a key requirement in the bidding documents. A tech memo was prepared by the consultant to this effect, which will accompany this project performance report as an attachment to the email. After a brief delay due to Hurricane Harvey Drilling activities began on 10/10/17. The drilling program will be discussed in next quarter project performance report.

Project Financial Update

The Corpus Christi Aquifer Storage and Recovery Conservation District have incurred expenditures for the Project in the amount of \$148,535.82. The responsibility for this expenditure has been distributed between the District and TWDB and is reflected on the payment request form for this quarter.



HDR Engineering, Inc.
Austin, TX 78741
Phone: (512) 912-5100

Invoice

Please read comments with copy of invoice to
P.O. Box 3488
Oxnard, CA 91320-0488

HDR Invoice No.	1200064344
Invoice Date	8/4/2017
Month Ending	7/1/2017

Corpus Christi ASR Feasibility Study - Invoice #8

Task 1 - Formulate Program

No Work This period.

Problems Encountered this period: None

Task 2 - Exploratory Test Drilling Program

Compiled evaluation and award criteria from Bidding Documents and summarized for City.

Provided letter recommendation on May 31st to the City on recommendation for driller selection.

Correspondence and conference calls with City Staff on May 30, May 31, June 1, June 2, June 5, June 6, June 8, June 14, and June 15.

Reviewed additional materials submitted by lowest bidder on June 12 and June 13, and follow-up correspondence with City Staff.

Letter updates for City consideration on May 31, June 1, June 2, June 5, June 6, and June 16.

Additional research on water well driller and pump installer requirements and TWDB drillers database reports.

Performed calculation of estimated additional cost for conditional services identified by lowest bidder in June 13th email.

Reviewed agenda memo and powerpoint presentation and provided comments for City consideration on June 13th.

Prepared final version of recommendation letter for City Staff, June 20, 2017

Problems Encountered this period: None

Task 3 - Geochemical Analysis

No Work This period.

Problems Encountered this period: None

Task 4 - Field Scale Groundwater Model

No Work This period.

Problems Encountered this period: None

Task 5 - ASR Operating Policies

No Work This period.

Problems Encountered this period: None

Task 6 - TWDB Coordination, Draft/Final Deliverables and Meetings

No Work This period.

Problems Encountered this period: None

APPROVED

HP

8/5/17

Due Diligence



Invoice

HDR Engineering, Inc.
Austin, TX 78741
Phone: (512) 912-5100

HDR Invoice No.
Invoice Date
Month Ending

1200069154
8/21/2017
8/5/2017

Corpus Christi ASR Feasibility Study - Invoice #9

Task 1 - Formulate Program

No Work This period.

Problems Encountered this period: None

Task 2 - Exploratory Test Drilling Program

Coordination with City Staff on driller selection, schedule, and alternate items. Prepared summary for City PM (field program).

Prepared recommendation at City's request of additional bid items for drilling program. City/District requests 2 permanent monitoring wells for long-term monitoring.

Began preparing preliminary schedule for drilling activities.

Coordination with Airport Staff for badging process. Sent process to drillers to expedite process.

Follow-up with City on coordinating gate access and courtesy feedback to leasers of land for farming (Site 1 and 2).

Problems Encountered this period: None

Task 3 - Geochemical Analysis

No Work This period.

Problems Encountered this period: None

Task 4 - Field Scale Groundwater Model

No Work This period.

Problems Encountered this period: None

Task 5 - ASR Operating Policies

No Work This period.

Problems Encountered this period: None

Task 6 - TWOB Coordination, Draft/Final Deliverables and Meetings

No Work This period.

Problems Encountered this period: None

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8/30/17



Invoice

HDR Engineering, Inc.
Austin, TX 78741
Phone: (512) 912-5100

HDR Invoice No.
Invoice Date
Month Ending

1200075814
9/21/2017
~~9/22/2017~~
9/30/17

Corpus Christi ASR Feasibility Study - Invoice #10

Task 1 - Formulate Program

No Work This period.

Problems Encountered this period: None

Task 2 - Exploratory Test Drilling Program

Coordination with City Staff on project kick-off activities, site planning, information needs from the driller, and schedule.

Communication and coordination with laboratories and equipment providers for field program needs.

Facilitation with City Staff and driller regarding reschedule of pre-con and kick-off after Hurricane Harvey, delay 3 wks.

Confirmation with City regarding MS4 permit.

Problems Encountered this period: None

I need this update

Task 3 - Geochemical Analysis

No Work This period.

Problems Encountered this period: None

Hurricane Harvey on 8/26/17

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APPROVED

9/28/17

Task 4 - Field Scale Groundwater Model

No Work This period.

Problems Encountered this period: None

Task 5 - ASR Operating Policies

No Work This period.

Problems Encountered this period: None

Task 6 - TWDB Coordination, Draft/Final Deliverables and Meetings

No Work This period.

Problems Encountered this period: None