## PROJECT PROGRESS REPORT
### EVALUATING THE POTENTIAL OF DIRECT POTABLE REUSE IN TEXAS

TO: Erika Mancha, Innovative Water Technologies, Texas Water Development Board (TWDB)

FROM: Ellen T. McDonald, Ph.D., P.E., APAI

SUBJECT: TWDB Contract No. 1248321508, Quarterly Progress Report

DATE: December 5, 2013

APAI PROJECT: 0866-005-01

Cc: TWDB Project Sponsors; file

---

### SUMMARY OF WORK COMPLETED

During this reporting period, APAI’s primary activities were (by task):

<table>
<thead>
<tr>
<th>Task</th>
<th>Description</th>
<th>Summary of Work Completed</th>
<th>Est. % Comp.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Kickoff Meeting</td>
<td>Kickoff completed 3/5/13</td>
<td>100%</td>
</tr>
</tbody>
</table>
| 2    | Relevance of CoCs | • Summarized stakeholder data  
• Reviewed literature data for CECs in Texas  
• Developed recommended monitoring list for surrogates and indicators  
• Summarized state of analytical technology related to monitoring/analysis of CECs  
• Prepared draft memorandum and posted to Basecamp | 100%         |
| 3    | WQ Performance Targets | • Prepared and distributed Task3 memo  
• Prepared for and conducted Workshop #1  
• Prepared and distributed summary of Workshop #1  
• Prepared draft summary of proposed water quality performance targets and posted to Basecamp | 100%         |
| 4    | Source WQ Characterization | • Entered and summarized stakeholder data  
• Performed comparison of data to potential targets and evaluated similarities between stakeholders  
• Coordinated with analytical laboratory and QRRA case study participants to establish sampling protocols and initiate sampling | 20%         |
| 5    | Source Control Evaluation | • Began evaluation of source control strategies | 50%         |
| 6    | Evaluation of Treatment Technologies | • Began assessment of treatment technologies | 30%         |
## Evaluation Potential of Direct Potable Reuse in Texas - Progress Report

### Task Description Summary of Work Completed | Est. % Comp.
--- | ---
7 Significance of Environ. Buffers | • Began development of technical memorandum 5%
8 QRRA | • Coordinated with Task 4 data collection to insure proper data is collected for case studies 5%
9 Sample Pilot Protocols | • Work on this task has not started 0%
10 Legal/Reg. Review | • Work on this task has not started 0%
11 Resource Document | • Work on this task has not started 0%
12 Admin/QC Tasks | • Ongoing coordination and administration of project tasks, accounting and reporting 40%

### ISSUES ENCOUNTERED

None to report