



January 12, 2026

Ms. Sonia Iszler  
Engineering and Operations Manager  
City of Marco Island Water and Sewer Department  
50 Bald Eagle Drive  
Marco Island, FL 34145

**RE: Proposal for Mechanical Integrity Testing Services for Deep Injection Well IW-1  
Marco Island, Florida**

Dear Ms. Iszler:

APEX (fka Water Science Associates) is pleased to present this proposal for professional consulting services related to Mechanical Integrity Testing of Well IW-1 to the City of Marco Island Water and Sewer Department. The City's deep injection wells are regulated by the Florida Department of Environmental Protection (FDEP) Underground Injection Control (UIC) Program, which issues permits for their construction, testing, and operations. The FDEP operations permit for IW-1 (FDEP No. 280170-011-UO/1X) requires MIT testing to be completed every 5 years. The last MIT of IW-1 was completed on September 27, 2021, and the next MIT of IW-1 is required to be completed before September 26, 2026. The MIT must be conducted according to an FDEP approved plan certified by a licensed professional geologist or engineer and must be witnessed by FDEP personnel. The plan is required to be submitted to FDEP at least 90 days prior to the testing and a report of the testing must be submitted within 90 days following the MIT test.

APEX proposes to complete the required MIT plan for IW-1 and submit the plan to the FDEP for approval before June 28, 2026, which is 90 days prior to September 26, 2026. Upon approval of the MIT plan, APEX will subcontract with a qualified and licensed drilling contractor to perform the approved testing according to the MIT plan. APEX will coordinate the performance of the work with the subcontracted firm and will provide professional oversight of all aspects of the testing by a Florida licensed professional geologist. Following completion of the MIT, APEX will prepare the MIT report and submit a final version to the FDEP within three months following the completion of the testing or by December 26, 2026.

### **Task 1. IW-1 Mechanical Integrity Testing Plan**

We propose to prepare a testing plan and schedule for submittal to FDEP at least 90 days prior to the scheduled completion date of testing. The plan will include step-by-step detailed and specific procedures for conducting the MIT according to methods which have been previously approved by FDEP for such testing. These procedures will include an initial video survey, installation of a packer, FDEP witnessed pressure test, temperature log, and radioactive tracer testing. We will include the most current FDEP guidance with respect to performance of all aspects of this testing and will submit a plan which will provide an efficient guideline for the proposed work program that minimizes the time required for the required testing.

**Task 1 Lump Sum: \$ 7,000.00**

### Task 2. IW-1 Conduct MIT

We propose to subcontract with a qualified and licensed drilling contractor to perform the approved testing according to the MIT plan. APEX will coordinate the performance of the work with the subcontracted firm and will provide professional oversight of all aspects of the testing by a Florida licensed professional geologist. We will collect all of the necessary information during the testing including video survey records, geophysical logs, radioactive tracer assay reports, pressure gauge certifications, meter calibration reports, and pressure testing results, etc. Additionally, we will provide the required advance notification to FDEP prior to the testing and coordinate the work schedule with City staff to minimize interference with operations of the plant.

**Task 2 Lump Sum: \$ 112,000.00**

### Task 3. IW-1 MIT Report

Within 90 days of the completion of the MIT, we propose to complete the required final report for the demonstration of mechanical integrity and submit the report to FDEP. The report will include the required video, geophysical, and radioactive tracer testing logs, radioactive tracer assay reports, tool diagrams, meter and gauge calibration reports and certificates, and the report of the FDEP witnessed pressure testing. Additional information required by FDEP in the report will include the tabular presentation and graphical evaluation of all monitoring well data over the previous 5-year period. This monitoring data will be obtained from the City and compiled into a spreadsheet for graphical evaluation.

**Task 2 Lump Sum: \$ 9,500.00**

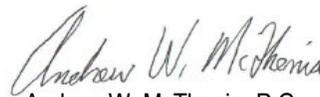
**Total Cost for Tasks 1-3 \$128,500.00**

We appreciate the opportunity to provide a proposal for hydrogeologic services on your behalf. Should you have any questions or would like additional information, please do not hesitate to contact Kirk Martin or Andrew McThenia via phone or email.

Sincerely,



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cc: Justin Martin P.E. – City of Marco Island Water and Sewer Department