

Attachment A

Mandatory Response Worksheet

These questions are Pass/Fail. To be considered responsive, responsible and eligible for award, you must answer all questions in this section.

DO NOT INCLUDE ANY COST INFORMATION IN YOUR RESPONSE TO THIS WORKSHEET.

Question #	Questions per Proposal Factors/Categories	Response by Offeror. Only Yes or No Answers	Upload Attachments ?	Attachment Name
Proposal Factors				
1	List any criminal violations and/or convictions of the Proposer and/or any of its principals: (N/A is not an acceptable answer).	No - none	IF YES	
2	Completed and uploaded PSL Location Form	Yes	IF YES	File #4
3	Is firm a minority business?	No	IF YES	File #4
4	Is the firm incorporated? Yes--No If yes, in what state?	Yes, Florida	No	File #4
5	List any judgements from lawsuits in the last five (5) years: (N/A is not an acceptable answer).	No - none	IF YES	
6	List any lawsuits pending or completed within the past five (5) years involving the corporation, partnership or individuals with more than ten percent (10%) interest: (N/A is not an acceptable answer).	No - none	IF YES	
7	Has the Proposer or any of its principals ever been declared bankrupt or reorganized under Chapter 11 or put into receivership?	No	IF YES	
8	Submitted all licenses and certifications required to perform this project.	Yes	Yes	File #4
9	Submitted a copy of their Insurance Certificate for the type and dollar amount of insurance they currently maintain.	Yes	Yes	File #4
10	Completed and uploaded E-Verify Form	Yes	Yes	File #4
11	Completed and uploaded Drug Free Workplace Form	Yes	Yes	File #4
12	Completed and uploaded Consultant Code of Ethics	Yes	Yes	File #4
13	Completed and uploaded Non-Collusion Affidavit	Yes	Yes	File #4
14	Completed and uploaded Cone of Silence Form	Yes	Yes	File #4
15	Completed and uploaded Truth-In Negotiation Form	Yes	Yes	File #4
16	Submit W-9	Yes	Yes	File #4
17	Completed and uploaded Mandatory Scored Responses.	Yes	Yes	File #2
18	Completed and uploaded Contractor General Information Worksheet.	Yes	Yes	File #4

Attachment B - Mandatory Scored Questions

Mandatory Scored Response Worksheet

Offerors must answer all the questions in this spreadsheet in the cell provided.

Failure to answer these questions will result in disqualification of the proposal.

Offerors must indicate whether their proposal meets the individual requirement and provide a supporting narrative in the space provided. The narrative description, along with any required supporting materials, will be evaluated and awarded points in accordance with Section 6 "Proposal Evaluation, Negotiations and Award" of this eRFP. ONLY upload documents if there is a Yes in the "Upload Attachments?" column, to provide additional information about specific questions. Documents not requested in this column will not be evaluated.

DO NOT INCLUDE ANY COST INFORMATION IN YOUR RESPONSE TO THIS WORKSHEET.

Question #	Questions per Proposal Factors/Categories	Response by Offeror	Upload Attachments?	Attachment Name
1	<u>Please provide all documentation needed for Location.</u> <u>Proposer's Location</u> - Location shall mean a business which meets the following criteria: # of Miles from City Hall to Assigned Staff's Office location: 0-60 Miles 61-80 Miles 81-100 Miles 101-120 Miles 121-140 Miles 140+ Miles	0-60 Miles	Yes	File #4
2	<u>Woman/Veteran/Minority Owned Business.</u> Does the Primary firm hold a Minority Business Certification by the Florida Department of Management Services, as described in section 8 of the document? If so, please attach.	Yes	Yes	File #4
3	<u>Executive summary.</u> This section should include the Firm's overall concept of the working relationship that will be required to successfully complete this project. The proposer shall provide an executive summary narrative containing information that indicates an understanding of the overall need for and purpose of the services presented in the RFP.	Yes	Yes	File #4
4	<u>Qualifications & Staff/Personnel.</u> Please complete and attach Form 330 part I and II for evaluation of qualifications & staff/personnel.	Yes	Yes	File #3
5	<u>Provide a listing of firm's current contracts.</u>	Yes	Yes	File 4
6	<u>Project Management Plan</u> This section shall describe the Firm's detailed plans for accomplishing the objectives of the project. It should include methods for planning, organizing, scheduling, coordinating, and administering the total effort. Explain the overall approach to the project. A submission of sample tables and graphs that are reflective of work typically performed by the consultant should be included in the proposal.	Yes	Yes	File #4
7	<u>Proposed Schedule.</u> This section shall include a detailed breakdown and timelines for achieving the scope of work, with a delineation of assigned staff for each task associated with the project. Also include quality assurance efforts for the data collection and analysis tasks, a process for ensuring that no individual respondents will be identified , and a project timeline. The consultant must have sufficient equipment and personnel for back-up and/or emergencies to assure prompt scheduling and completion of services within the schedule. *Final project schedule will be negotiated with awarded firm.	Yes	Yes	File #4
8	<u>Work Break Down Structure.</u> This section should include, but is not limited to, special concerns or accommodations needed for a successful project.	Yes	Yes	File #4
9	<u>Value-added services.</u> This term is used for non-core services, or, all services beyond the identified scope. Does the firm recommend any optional value-added services?	Yes	Yes	File #4
10	<u>Other Material.</u> Please include any additional material that may assist the City in evaluating the proposals and approach to the project. Pre-printed advertisements, brochures, and promotional material may be attached as additional information, but shall not serve as a substitute for a specific response. Attachment of brochures instead of the written response request will be grounds for disqualification or devaluation. A simple "yes" or "no" answer alone will not be acceptable unless clearly requested; an explanation shall be provided for each question/issue listed in this response outline. <u>However, clarity and brevity of presentation, not length, will be favorably considered.</u>	Yes	Yes	File #4
11	<u>Company Experience.</u> Provide a list of at least 5 projects that your firm has done at is similar to this project.	Yes	Yes	File #4
12	<u>Injection Well Tubing Issues.</u> Injection well tubing failure has occurred in the utility systems department history. What will the firm do differently in design to insure future rework is avoided?	Yes	Yes	File #4
13	<u>Project Risks/Opportunities for Improvement.</u> Identify overall risks that can impact the project. List opportunities and threats both in internal and external conditions to the project that may result in delays, cost overrun, and performance shortfall.	Yes	Yes	File #4

ARCHITECT - ENGINEER QUALIFICATIONS

PART I - CONTRACT-SPECIFIC QUALIFICATIONS

A. CONTRACT INFORMATION

1. TITLE AND LOCATION *(City and State)*

Design & Permitting of Class I Deep Injection Well at Prineville WTP, Port St. Lucie, Florida

2. PUBLIC NOTICE DATE

September 18, 2021

3. SOLICITATION OR PROJECT NUMBER

20210107

B. ARCHITECT-ENGINEER POINT OF CONTACT

4. NAME AND TITLE

David McNabb, President

5. NAME OF FIRM

McNabb Hydrogeologic Consulting, Inc.

6. TELEPHONE NUMBER

561-891-0763

7. FAX NUMBER

none

8. E-MAIL ADDRESS

david@mcnabbhydroconsult.com

C. PROPOSED TEAM

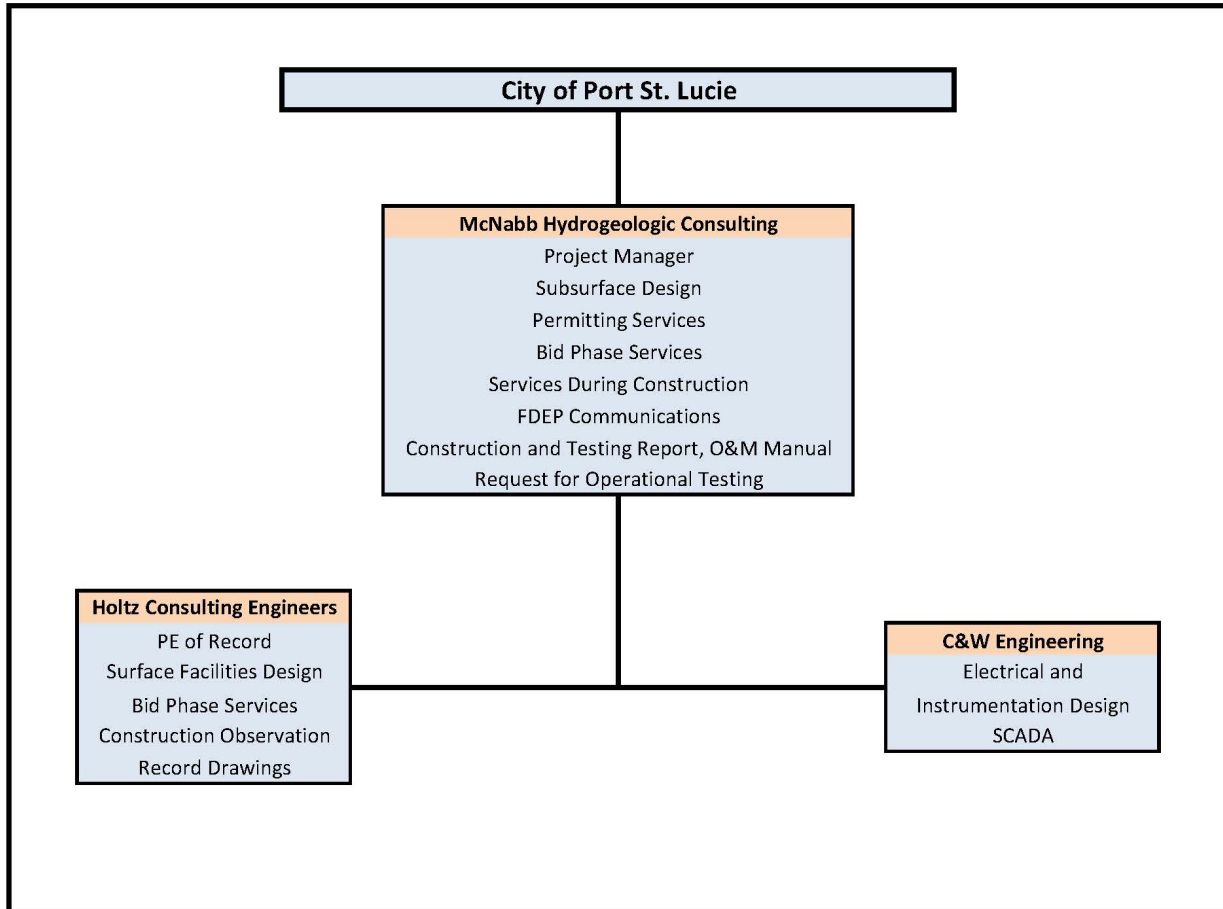
(Complete this section for the prime contractor and all key subcontractors.)

	<i>(Check)</i>			9. FIRM NAME	10. ADDRESS	11. ROLE IN THIS CONTRACT
	PRIME	J-V PARTNER	SUBCON-TRACTOR			
a.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	McNabb Hydrogeologic Consulting, Inc. <input type="checkbox"/> CHECK IF BRANCH OFFICE	4600 Military Trail, Suite 116 Jupiter, Florida 33458	Project Manager, Professional Geologist, subsurface design, FDEP communications, services during construction, report.
b.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Holtz Consulting Engineers, Inc. <input type="checkbox"/> CHECK IF BRANCH OFFICE	270 South Central Blvd., Suite 207, Jupiter, Florida 33458	Professional Engineer of Record, surface facilities design, record drawings.
c.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	C&W Engineering, Inc.	6903 Vista Parkway N. Suite 10 West Palm Beach, FL 33411	Electrical & Mechanical Engineering
d.						
e.						

D. ORGANIZATIONAL CHART OF PROPOSED TEAM

X *(Attached)*

ORGANIZATIONAL CHART



E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME David McNabb, P.G.	13. ROLE IN THIS CONTRACT Project Manager/Hydrogeologist	14. YEARS EXPERIENCE	
		a. TOTAL 28	b. WITH CURRENT FIRM 15

15. FIRM NAME AND LOCATION *(City and State)*
McNabb Hydrogeologic Consulting, Inc., 4600 Military Trail, Suite 116, Jupiter, Florida 33458

16. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> Bachelor of Science, Geology, Indiana University Master of Science, Geology, Univ. of Texas at Arlington	17. CURRENT PROFESSIONAL REGISTRATION <i>(STATE AND DISCIPLINE)</i> Florida Registered Professional Geologist #1461
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18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*
Professional Geologist for FDEP Underground Injection Control Program, evaluation of Class I injection well design, permit applications and MIT plans 1992-1995.

19. RELEVANT PROJECTS

a.	(1) TITLE AND LOCATION <i>(City and State)</i> City of Hollywood Southern Regional WWTP Injection Well System, Hollywood, Florida	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES Anticipated Dec. 2021	CONSTRUCTION <i>(If applicable)</i> Anticipated Nov. 2021
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Provided design, construction permitting, and construction oversight services for a Class I Industrial deep injection well system at the Hollywood South Regional WWTP. The deep injection well system consists of 2 36" diameter deep injection wells with a 26" FRP liner and a depth of 3,500 feet and dual-zone monitor well DZMW-1. Each injection well will have an injection capacity of 19.92 MGD. Construction cost is 39.9 million. Project manager.		
	<input checked="" type="checkbox"/> Check if project performed with current firm		
b.	(1) TITLE AND LOCATION <i>(City and State)</i> FPL Okeechobee Clean Energy Center Injection Well System, Vero Beach, Florida	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES August 2018	CONSTRUCTION <i>(If applicable)</i> April 2018
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Provided design, construction permitting, and construction oversight services for a Class I Industrial deep injection well system at the FPL Okeechobee Clean Energy. The deep injection well system consists of 2 24" diameter deep injection wells with an 18" FRP liner with a depth of 3,200 feet and dual-zone monitor well DZMW-1. Each injection well will have an injection capacity of 8.65 MGD. Project manager.		
	<input checked="" type="checkbox"/> Check if project performed with current firm		
c.	(1) TITLE AND LOCATION <i>(City and State)</i> Okeechobee Utility Authority WWTP Injection Well System, Okeechobee, Florida	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES Ongoing	CONSTRUCTION <i>(If applicable)</i> 2008
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Provided construction oversight services for a Class I deep injection well system at the Okeechobee Utilities Authority Cemetery Road Wastewater Treatment Plant in Okeechobee County. The deep injection well system consists of one 24-inch diameter deep injection well with a total depth of 3,200 feet and dual-zone monitor well DZMW-1. Both the injection well and monitor well were constructed concurrently to allow the drilling contractor to complete the construction within a compressed contract time. Observation of construction of both wells required close coordination with the drilling contractor and client to ensure operation of 2 drilling rigs at the site did not interfere with plant operations. Total project construction cost was \$5.7 million. MHC has provided professional services for all subsequent permit renewals and mechanical integrity testing. Project manager.		
	<input checked="" type="checkbox"/> Check if project performed with current firm		
d.	(1) TITLE AND LOCATION <i>(City and State)</i> Port St. Lucie Prineville WTP Injection Well IW-1 Mechanical Integrity Testing and Permit Renewal, Port St. Lucie Florida	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES December 2020	CONSTRUCTION <i>(If applicable)</i>
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Provided professional services for Mechanical Integrity Testing (MIT) of the Prineville WTP existing injection well IW-1. The project included the preparation of an MIT plan for submittal and acceptance by FDEP, preparation of technical specifications, field observation services during testing, coordination with FDEP to witness well pressure testing and preparation of an MIT report summarizing and interpreting the testing procedures and results. The report included a summary of monitor well water quality. Also renewed the injection well system operating permit in 2018. The permit was received 224 days after submitting the permit application. The application was deemed complete as was submitted resulting in no Requests for Additional Information. Project manager.		

e.	(1) TITLE AND LOCATION (<i>City and State</i>) JEA Water Treatment Plant IW-1 Repair, Florida	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES March 2019	CONSTRUCTION (<i>If applicable</i>) February 2019
	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE Provided design, permit, and construction observation services for the repair of injection well IW-1. The repair included removal of the steel injection liner which had developed a leak and installation of a Fiberglass Reinforced Plastic (FRP) injection liner and cementing the annular space that had previously been fluid-filled. The construction cost was \$1,234,567 and the project was completed with no change orders. Project Manager.	<input checked="" type="checkbox"/> Check if project performed with current firm	
f.	(1) TITLE AND LOCATION (<i>City and State</i>) FPL Turkey Point Injection Well System, Homestead, Florida	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES July 2018	CONSTRUCTION (<i>If applicable</i>) 2016
	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE Provided design, permitting services and services during construction for a 24-inch diameter, 3,230-foot deep injection well and associated dual-zone monitor well at the FPL Turkey Point Power Plant in Miami-Dade County. The project required close coordination with other consultants preparing a Site Certification Application and the Nuclear Regulatory Commission (NRC) applications for the construction of nuclear power generating units. The project also included expert testimony before the NRC. The client required 24-hour a day, seven days a week construction oversight during the construction of the wells. The injection well has a disposal capacity of 18.64 MGD.	<input checked="" type="checkbox"/> Check if project performed with current firm	
g.	(1) TITLE AND LOCATION (<i>City and State</i>) Martin County Utilities Tropical Farms W/WWTF Injection Well System, Stuart, Florida	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES March 2015	CONSTRUCTION (<i>If applicable</i>) 2006
	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE MHC staff managed the design, permitting, bidding, and construction oversight of the Tropical Farms deep injection well system. The project consisted of the design and construction of two 26-inch diameter Class I, industrial deep injection wells and an associated dual-zone monitor well. The injection well system is used for disposal of reverse osmosis concentrate and treated wastewater. The bid price was successfully negotiated from \$14.87 million to \$8.94 million. During the construction process, Mr. McNabb successfully negotiated with FDEP to reduce the amount of laboratory analyses required to be performed on rock cores collected during construction. The reduced testing requirements reduced the final cost of the deep injection well system by \$50,000. Project manager.	<input checked="" type="checkbox"/> Check if project performed with current firm	
h.	(1) TITLE AND LOCATION (<i>City and State</i>) FPL West County Energy Center Injection Well System Loxahatchee, Florida	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES March 2018	CONSTRUCTION (<i>If applicable</i>) 2008
	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE Provided design, construction permitting, and construction oversight services for a Class I Industrial deep injection well system at the FPL West County Energy Center in Palm Beach County. The deep injection well system consists of 2 20-inch diameter deep injection wells with a maximum depth of 3,400 feet and dual-zone monitor well DZMW-1. The injection wells were designed to Class I Industrial deep injection well standards (tubing and packer design) to allow disposal of industrial wastewater from the electrical power generation process. Each of the wells were constructed on a 24-hours a day, 7 days a week schedule, and were completed on time and under budget without a single hour of contractor stand-by time. MHC has provided all subsequent professional services for mechanical integrity testing of the injection wells and renewal of operating permits for the system. Project manager for all the above described work.	<input checked="" type="checkbox"/> Check if project performed with current firm	
i.	(1) TITLE AND LOCATION (<i>City and State</i>) Martin County Utilities North W/WWTF Monitor Well Replacement, Jensen Beach, Florida	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES September 2015	CONSTRUCTION (<i>If applicable</i>) September 2015
	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE McNabb Hydrogeologic Consulting, Inc. (MHC) teamed with Holtz Consulting Engineers, Inc. (HCE) to provide professional services for the design, permitting, bidding, construction oversight, and reporting for the construction of a dual-zone monitor well at the Martin County Utilities North Water/Wastewater Treatment Facility. A replacement monitor well was successfully installed within 150 of the existing injection well. The new well design included a fiberglass reinforced pipe final casing to prevent material from building up inside the casing and causing the same problem the resulted in the old well needing to be replaced. Also provided professional services for the plugging and abandonment of the old dual-zone monitor well. The combined construction cost of the replacement dual-zone monitor well and the plug and abandonment of the old well was \$919,994. Project manager.	<input checked="" type="checkbox"/> Check if project performed with current firm	

(1) TITLE AND LOCATION (<i>City and State</i>) Ft. Pierce Utilities Authority WTP Injection Well IW-2 Design and Permitting	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES June 2016	CONSTRUCTION (<i>If applicable</i>)
(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE		
j.	<p>Provided professional design and permitting services for a Class I deep injection well at the FPUA WTP. The well was designed with an 18-inch final casing and 10.75-inch diameter Fiberglass Reinforced Plastic (FRP) injection tubing that is cemented in place. The injection well has not yet been constructed. Project manager.</p>	

Check if project performed with current firm

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Sally Durall	13. ROLE IN THIS CONTRACT Senior Geologist	14. YEARS EXPERIENCE	
		a. TOTAL 22	b. WITH CURRENT FIRM 15
15. FIRM NAME AND LOCATION <i>(City and State)</i> McNabb Hydrogeologic Consulting, Inc., 4600 Military Trail, Suite 116, Jupiter, Florida 33458			
16. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> Bachelor of Science, Geology, Univ. of Tennessee		17. CURRENT PROFESSIONAL REGISTRATION <i>(STATE AND DISCIPLINE)</i> none	
18. OTHER PROFESSIONAL QUALIFICATIONS <i>(Publications, Organizations, Training, Awards, etc.)</i> none			

19. RELEVANT PROJECTS

a.	(1) TITLE AND LOCATION <i>(City and State)</i> City of Hollywood Southern Regional WWTP Injection Well System, Hollywood, Florida	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES Anticipated December 2021	CONSTRUCTION <i>(If applicable)</i> Anticipated Nov. 2021
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE X Check if project performed with current firm Providing construction oversight services for Class I Industrial injection wells IW-3, IW-4 and dual-zone monitor well MW-2. Managed a team of geologist overseeing the construction of the wells. The injection wells were drilled to a depth of 3,500 feet and were completed with 36" diameter final casing and 26" diameter FRP liner. Construction and construction observation is taking place on a 24-hour, 7 days a week schedule. Each injection well will have a disposal capacity of 19.92 MGD. Construction is anticipated to be completed in November 2021. The construction cost of the wells is \$39.9 million. Also reviewed draft construction permit application and draft technical specifications. Field geologist manager.		
b.	(1) TITLE AND LOCATION <i>(City and State)</i> FPL Okeechobee Clean Energy Center Injection Well System, Vero Beach, Florida	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES August 2018	CONSTRUCTION <i>(If applicable)</i> April 2018
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE X Check if project performed with current firm Provided construction oversight services for a Class I Industrial deep injection well system at the FPL Okeechobee Clean Energy Center in Okeechobee County. The deep injection well system consists of 2 24-inch diameter deep injection wells with a maximum depth of 3,210 feet and dual-zone monitor well DZMW-1. Each of the wells were constructed on a 24-hours a day, 7 days a week schedule to ensure the injection well system was ready for operation during construction and commissioning of the OCEC power plant. Each injection well has an injection capacity of 9.6 MGD. Field geologist.		
c.	(1) TITLE AND LOCATION <i>(City and State)</i> FPL Turkey Point Injection Well System, Homestead, Florida	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES July 2018	CONSTRUCTION <i>(If applicable)</i> 2008
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE X Check if project performed with current firm Provided construction oversight services for a 24-inch diameter, 3,230-foot deep injection well and associated dual-zone monitor well at the FPL Turkey Point Power Plant in Miami-Dade County. The injection well has a disposal capacity of 15.59 MGD. Field geologist.		
d.	(1) TITLE AND LOCATION <i>(City and State)</i> Okeechobee Utility Authority WWTP Injection Well System, Okeechobee, Florida	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES Ongoing	CONSTRUCTION <i>(If applicable)</i>
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE X Check if project performed with current firm Provided construction oversight services for a Class I deep injection well system at the Okeechobee Utilities Authority Cemetery Road Wastewater Treatment Plant in Okeechobee County. The deep injection well system consists of one 24-inch diameter deep injection well with a total depth of 3,200 feet and dual-zone monitor well DZMW-1. Both the injection well and monitor well were constructed concurrently to allow the drilling contractor to complete the construction within a compressed contract time. Total project construction cost was \$5.7 million. MHC has provided professional services for all subsequent permit renewals and mechanical integrity testing. Field geologist.		

	(1) TITLE AND LOCATION (<i>City and State</i>) City of Port St. Lucie Westport WWTP IW-1 MIT, Port St. Lucie Florida	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES May 2018	CONSTRUCTION (<i>If applicable</i>)
e.	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE Provided professional services for Mechanical Integrity Testing (MIT) of the Westport WWTP injection well IW-1. The project included the preparation of an MIT plan for submittal and acceptance by FDEP, preparation of technical specifications, field observation services during testing, coordination with FDEP to witness well pressure testing and preparation of an MIT report summarizing and interpreting the testing procedures and results. The report included a summary of monitor well water quality. Project manager.		
	(1) TITLE AND LOCATION (<i>City and State</i>) City of Port St. Lucie Southport WWTP IW-1 MIT, Port St. Lucie Florida	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES March 2018	CONSTRUCTION (<i>If applicable</i>)
f.	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE Provided professional services for Mechanical Integrity Testing (MIT) of the Southport WWTP injection well IW-1. The project included the preparation of an MIT plan for submittal and acceptance by FDEP, preparation of technical specifications, field observation services during testing, coordination with FDEP to witness well pressure testing and preparation of an MIT report summarizing and interpreting the testing procedures and results. The report included a summary of monitor well water quality. Project manager.		
	(1) TITLE AND LOCATION (<i>City and State</i>) JEA Water Treatment Plant IW-1 Repair, Florida	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES March 2019	CONSTRUCTION (<i>If applicable</i>) February 2019
g.	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE Provided construction observation during the repair of injection well IW-1. The repair included removal of the steel injection liner which had developed a leak and installation of a Fiberglass Reinforced Plastic (FRP) injection liner and cementing the annular space that had previously been fluid-filled. The construction cost was \$1,234,567 and the project was completed with no change orders. Field geologist.		
	(1) TITLE AND LOCATION (<i>City and State</i>) City of Port St. Lucie Glades WWTP IW-1 MIT, Port St. Lucie Florida	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES October 2018	CONSTRUCTION (<i>If applicable</i>)
h.	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE Provided professional services for Mechanical Integrity Testing (MIT) of the Southport WWTP injection well IW-1. The project included the preparation of an MIT plan for submittal and acceptance by FDEP, preparation of technical specifications, field observation services during testing, coordination with FDEP to witness well pressure testing and preparation of an MIT report summarizing and interpreting the testing procedures and results. The report included a summary of monitor well water quality. Project manager.		
	(1) TITLE AND LOCATION (<i>City and State</i>) City of Port St. Lucie Northport IW-1 Plug and Abandonment, Port St. Lucie, Florida	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES August 2017	CONSTRUCTION (<i>If applicable</i>) July 2017
i.	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE Assisted in the preparation of the permit application and the technical specifications for the plugging and abandonment of injection well IW-1 at the Northport Wastewater Booster Station. Provided field services during the plugging and abandonment. The construction costs was \$238,510 and the project was completed with no change orders. Field geologist.		
	(1) TITLE AND LOCATION (<i>City and State</i>) City of Port St. Lucie Glades WWTP IW-1 Acidization, Port St. Lucie Florida	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES June 2018	CONSTRUCTION (<i>If applicable</i>)
j.	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE Assisted in the preparation of the technical specifications for the acidization of injection well IW-1 at the Glades WWTP. Provided field services during the acidization of IW-1. The project included pumping a volume of 22,500 gallons of inhibited 32% hydrochloric acid to decrease injection pressures. The project resulted in increased injection capacity and decreased injection pressures.		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME David F. Holtz, PE, BCEE	13. ROLE IN THIS CONTRACT Engineering Manager	14. YEARS EXPERIENCE	
		a. TOTAL 35	b. WITH CURRENT FIRM 15

15. FIRM NAME AND LOCATION (City and State) Holtz Consulting Engineers, Inc. Jupiter, Florida	
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16. EDUCATION (DEGREE AND SPECIALIZATION) BS Environmental Engineer, UF, 1985 ME Environmental Engineer, UF, 1987	17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) PE/Florida, Environmental Engineering
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18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)
Board Certified Environmental Engineer by American Academy of Environmental Engineers

19. RELEVANT PROJECTS

a.	(1) TITLE AND LOCATION (City and State) PSL James E Anderson, Southport, and Westport Mechanical Integrity Tests Port St. Lucie, FL	(2) YEAR COMPLETED PROFESSIONAL SERVICES 2015	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE HCE and MHC assisted the City of Port St. Lucie with the performance of mechanical integrity testing for three deep injection wells. The deep well systems were located at a wastewater treatment plant, a wastewater master repump facility, and a water treatment plant. The work included the preparation of a plan and technical specifications, assistance with contractor selection, MIT field services, and preparation of MIT testing reports. Specific Role: Engineering Manager		<input checked="" type="checkbox"/> Check if project performed with current firm
b.	(1) TITLE AND LOCATION (City and State) MCU Tropical Farms and North W/WWTP Deep Injection Well Permitting and Improvements Stuart and Jensen Beach, FL	(2) YEAR COMPLETED PROFESSIONAL SERVICES 2015	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE HCE and MHC developed a repair for a leak in the deep injection well packer at the base of the injection tubing for Injection Well No. 2 (IW-2) located at the MCU North Water/Wastewater Treatment Plant in Jensen Beach FL. HCE conducted site visits and meetings with the FDEP UIC and procured a permit for the repair. HCE and MHC performed construction oversight during the repair. HCE also designed, bid, and provided construction assistance for the replacement of valves and piping and the well head as well as the replacement of 12-inch, 16-inch, and 20-inch pipe transferring water to IW-2. HCE and MHC also replaced two monitor tubes with a dual-zone monitor well at the North WWTP. The work included the design, permitting, bidding, and construction oversight and monitoring. The dual-zone monitor well was designed to utilize existing shallow groundwater pad monitor wells and an existing concrete containment slab. Value engineering was performed with the contractor and owner. The existing monitor tubes were abandoned after the new monitor well was placed into service. HCE and MHC also successfully renewed the FDEP operating permits for both the North and Tropical Farms Deep Injection Well Systems. The Tropical Farms permit renewal included performing mechanical integrity tests on both of the deep wells. Specific Role: QAQC		<input checked="" type="checkbox"/> Check if project performed with current firm
c.	(1) TITLE AND LOCATION (City and State) ECRWRF Deep Injection Well Mechanical Integrity Testing and Monitor Well Replacement West Palm Beach, FL	(2) YEAR COMPLETED PROFESSIONAL SERVICES 2015	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE HCE and MHC assisted the East Central Regional Water Reclamation Facility with the performance of mechanical integrity testing for seven deep injection wells. The work included the preparation of a plan and technical specifications, assistance with contractor selection, MIT field services, and preparation of MIT testing reports. HCE and MHC also replaced an existing dual-zone monitor well with a new lower-zone monitor well for Injection Well IW-2. The work included the design, permitting, bidding, and construction oversight and monitoring. The lower-zone monitor well was designed to utilize two existing shallow groundwater pad monitor wells. Specific Role: Project Manager		<input checked="" type="checkbox"/> Check if project performed with current firm
d.	(1) TITLE AND LOCATION (City and State) FPL West County Energy Center Deep Injection Well System West Palm Beach, FL	(2) YEAR COMPLETED PROFESSIONAL SERVICES 2009	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE HCE and MHC teamed together for the design, permitting, testing, and construction oversight for one exploratory well, two deep injection wells, and a dual-zone monitoring well at the WCEC. The deep injection wells will be used as a means of disposing of cooling water from the three electrical production units located at the WCEC. The exploratory well was constructed first to confirm the geology at this site was conducive to deep-well injection. The exploratory well was converted to an injection well and a second injection well and dual-zone monitoring well were constructed adjacent to the initial well. HCE designed and oversaw the construction of the well heads, containment pads, surge tanks, and other appurtenances, as well as being the Engineer-of-Record for the deep well system. Specific Role: Engineering Manager		<input checked="" type="checkbox"/> Check if project performed with current firm
e.	(1) TITLE AND LOCATION (City and State) FPUA Island Water Reclamation Facility Injection Well Permitting and Improvements Fort Pierce, FL	(2) YEAR COMPLETED PROFESSIONAL SERVICES 2014	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE HCE provided engineering support to MHC for providing professional services for mechanical integrity testing (MIT) of the deep injection wells at the FPUA Island Water Reclamation Facility (IWRP) and the Henry A. Gahn Water Treatment Facility and dual-zone monitor wellhead replacement at the IWRP. The project included the preparation and submittal of a MIT plan for each injection well, preparation of technical specifications, bid services, field services during testing of the wells and preparation of reports providing an interpretation of the testing results. HCE also assisted with engineering services for the replacement of the corroded wellhead at the IWRP with new stainless steel wellhead, pumps, and instruments. Specific Role: Project Manager		<input checked="" type="checkbox"/> Check if project performed with current firm

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Curtis D. Robinson, PE	13. ROLE IN THIS CONTRACT Project Manager	14. YEARS EXPERIENCE <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">a. TOTAL 18</td> <td style="width: 50%;">b. WITH CURRENT FIRM 12</td> </tr> </table>		a. TOTAL 18	b. WITH CURRENT FIRM 12
a. TOTAL 18	b. WITH CURRENT FIRM 12				
15. FIRM NAME AND LOCATION (City and State) Holtz Consulting Engineers, Inc. Stuart, Florida					
16. EDUCATION (DEGREE AND SPECIALIZATION) B.S. Civil Engineering, MST, 2001 M.S. Engineering Management, MST, 2003		17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) PE / Florida, Civil Engineering			
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) Certified Bentley WaterCAD Master Modeler					

19. RELEVANT PROJECTS

a.	(1) TITLE AND LOCATION (City and State) PSL James E Anderson, Southport, and Westport Mechanical Integrity Tests Port St. Lucie, FL	(2) YEAR COMPLETED <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">PROFESSIONAL SERVICES 2015</td> <td style="width: 50%;">CONSTRUCTION (If applicable) N/A</td> </tr> </table>		PROFESSIONAL SERVICES 2015	CONSTRUCTION (If applicable) N/A
	PROFESSIONAL SERVICES 2015	CONSTRUCTION (If applicable) N/A			
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE HCE and MHC assisted the City of Port St. Lucie with the performance of mechanical integrity testing for three deep injection wells. The deep well systems were located at a wastewater treatment plant, a wastewater master repump facility, and a water treatment plant. The work included the preparation of a plan and technical specifications, assistance with contractor selection, MIT field services, and preparation of MIT testing reports. Specific Role: Project Engineer		<input checked="" type="checkbox"/> Check if project performed with current firm			
b.	(1) TITLE AND LOCATION (City and State) MCU Tropical Farms and North W/WWTP Deep Injection Well Permitting and Improvements Stuart and Jensen Beach, FL	(2) YEAR COMPLETED <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">PROFESSIONAL SERVICES 2015</td> <td style="width: 50%;">CONSTRUCTION (If applicable) 2015</td> </tr> </table>		PROFESSIONAL SERVICES 2015	CONSTRUCTION (If applicable) 2015
	PROFESSIONAL SERVICES 2015	CONSTRUCTION (If applicable) 2015			
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE: HCE and MHC developed a repair for a leak in the deep injection well packer at the base of the injection tubing for Injection Well No. 2 (IW-2) located at the MCU North Water/Wastewater Treatment Plant in Jensen Beach FL. HCE conducted site visits and meetings with the FDEP UIC and procured a permit for the repair. HCE and MHC performed construction oversight during the repair. HCE also designed, bid, and provided construction assistance for the replacement of valves and piping and the well head as well as the replacement of 12-inch, 16-inch, and 20-inch pipe transferring water to IW-2. HCE and MHC also replaced two monitor tubes with a dual-zone monitor well at the North WWTP. The work included the design, permitting, bidding, and construction oversight and monitoring. The dual-zone monitor well was designed to utilize existing shallow groundwater pad monitor wells and an existing concrete containment slab. Value engineering was performed with the contractor and owner. The existing monitor tubes were abandoned after the new monitor well was placed into service. HCE and MHC also successfully renewed the FDEP operating permits for both the North and Tropical Farms Deep Injection Well Systems. The Tropical Farms permit renewal included performing mechanical integrity tests on both deep wells. Specific Role: Project Manager and Engineer-of-Record		<input checked="" type="checkbox"/> Check if project performed with current firm			
c.	(1) TITLE AND LOCATION (City and State) FPL Okeechobee Clean Energy Center Okeechobee County, FL	(2) YEAR COMPLETED <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">PROFESSIONAL SERVICES 2018</td> <td style="width: 50%;">CONSTRUCTION (If applicable) 2018</td> </tr> </table>		PROFESSIONAL SERVICES 2018	CONSTRUCTION (If applicable) 2018
	PROFESSIONAL SERVICES 2018	CONSTRUCTION (If applicable) 2018			
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE: Holtz Consulting Engineers provided engineering support services for the design, permitting, contractor procurement, and construction oversight of one exploratory well, two deep injection wells, and one dual-zone monitor well for the FPL Okeechobee Clean Energy Center. The deep injection wells will be used for the disposal of cooling water related to the power generation process. HCE prepared draft and final drawings and specifications for the wells, prepared construction and operational permit applications. During construction, HCE reviewed shop drawings, answered contractor RFIs, performed site visits to ensure the construction conformed to the technical design requirements, prepared punchlists, prepared record drawings, operation and maintenance manuals, and close-out documents. Specific Role: Engineering Manager		<input checked="" type="checkbox"/> Check if project performed with current firm			
d.	(1) TITLE AND LOCATION (City and State) ECRWF Deep Injection Well Mechanical Integrity Testing and Monitor Well Replacement West Palm Beach, FL	(2) YEAR COMPLETED <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">PROFESSIONAL SERVICES 2015</td> <td style="width: 50%;">CONSTRUCTION (If applicable) 2015</td> </tr> </table>		PROFESSIONAL SERVICES 2015	CONSTRUCTION (If applicable) 2015
	PROFESSIONAL SERVICES 2015	CONSTRUCTION (If applicable) 2015			
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE HCE and MHC assisted the East Central Regional Water Reclamation Facility with the performance of mechanical integrity testing for seven deep injection wells. The work included the preparation of a plan and technical specifications, assistance with contractor selection, MIT field services, and preparation of MIT testing reports. HCE and MHC also replaced an existing dual-zone monitor well with a new lower-zone monitor well for Injection Well IW-2. The work included the design, permitting, bidding, and construction oversight and monitoring. The lower-zone monitor well was designed to utilize two existing shallow groundwater pad monitor wells. Specific Role: Project Engineer		<input checked="" type="checkbox"/> Check if project performed with current firm			
e.	(1) TITLE AND LOCATION (City and State) FPL Miami-Dade Clean Water Recovery Center Injection Wells Miami-Dade County, FL	(2) YEAR COMPLETED <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">PROFESSIONAL SERVICES Ongoing</td> <td style="width: 50%;">CONSTRUCTION (If applicable) TBD</td> </tr> </table>		PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (If applicable) TBD
	PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (If applicable) TBD			
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE HCE and MHC teamed together for the design, permitting, testing, and construction oversight for two deep injection wells and a dual-zone monitoring well at FPL's Turkey Point facility. The deep injection wells will be used as a means of disposing of cooling water from electrical production units located at the facility. HCE's responsibility includes the permitting, design and providing engineering support during construction for the well heads, pads, surge tanks, and other appurtenances, as well as being the Engineer-of-Record for the deep well system. HCE will also prepare record drawings, operation and maintenance manuals, and assist with the operational permitting of the well. Specific Role: Engineering Manager and Engineer-of-Record.		<input checked="" type="checkbox"/> Check if project performed with current firm			

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Harrison Barron, PE	13. ROLE IN THIS CONTRACT Project Engineer	14. YEARS EXPERIENCE	
		a. TOTAL 6	b. WITH CURRENT FIRM 5
15. FIRM NAME AND LOCATION (City and State) Holtz Consulting Engineers, Inc. Jupiter, Florida			
16. EDUCATION (DEGREE AND SPECIALIZATION) BS Environmental Engineering, UF, 2015		17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) PE / Florida, Civil Engineering	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)			

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION (City and State) Port St. Lucie Northport WWTP Site Injection Well Plugging and Abandonment Port St. Lucie, FL	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2018	CONSTRUCTION (If applicable) 2018
a.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE: <input checked="" type="checkbox"/> Check if project performed with current firm HCE worked with McNabb Hydrogeological Consulting on the project to plug and abandon the old, unused deep injection well at the site of the decommissioned Northport WWTP, which now is the location of a master booster wastewater pump station. Mr. Barron assisted in developing the deep well plugging and abandonment plan and assisted in preparation of the design documents depicting the work to plug and abandon the well and make various site improvements. Specific Role: Project Engineer		
	(1) TITLE AND LOCATION (City and State) Island Water Reclamation Facility Deep Injection Well MIT and Flow Meter Replacement – Fort Pierce Utility Authority Fort Pierce, FL	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2014	CONSTRUCTION (If applicable) 2014
b.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE: <input checked="" type="checkbox"/> Check if project performed with current firm HCE worked with McNabb Hydrogeological Consulting on the project to complete Mechanical Integrity Testing, replacement of the existing venturi flow meter with a magmeter, and rehabilitation of the injection well casing surface features on the IWRF deep injection well system. Mr. Barron assisted in developing the deep well MIT and Discharge Impact Minimization plans submitted to FDEP and assisted in coordinating testing and replacement of the existing flowmeter to minimize use of the site's emergency outfall disposal into the Indian River Lagoon. Specific Role: Project Engineer		
	(1) TITLE AND LOCATION (City and State) FPL Okeechobee Clean Energy Center Okeechobee County, FL	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2018	CONSTRUCTION (If applicable) 2018
c.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE: <input checked="" type="checkbox"/> Check if project performed with current firm Holtz Consulting Engineers provided engineering support services for the design, permitting, contractor procurement, and construction oversight of one exploratory well, two deep injection wells, and one dual-zone monitor well for the FPL Okeechobee Clean Energy Center. The deep injection wells will be used for the disposal of cooling water related to the power generation process. HCE prepared draft and final drawings and specifications for the wells, prepared construction and operational permit applications. During construction, HCE reviewed shop drawings, answered contractor RFIs, performed site visits to ensure the construction conformed to the technical design requirements, prepared punchlists, prepared record drawings, operation and maintenance manuals, and close-out documents. Specific Role: Project Engineer		
	(1) TITLE AND LOCATION (City and State) City of Stuart WRF Deep Injection Well MIT Stuart, FL	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2020	CONSTRUCTION (If applicable) 2020
d.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE: <input checked="" type="checkbox"/> Check if project performed with current firm HCE provided engineering, hydrogeological, and testing services for the performance of the MIT. As part of this project, HCE utilized the services of McNabb Hydrogeologic Consulting, Inc. and A.C. Schultes of Florida, Inc. to provide hydrogeological consulting and testing services, respectively, for the work. Services provided included the preparation of a MIT plan for submittal to the FDEP, preparation of specifications and figures, mechanical integrity testing services, field services during testing, and preparation of reports summarizing the testing results and historic monitoring data for submittal to the FDEP. Specific Role: Project Engineer		
	(1) TITLE AND LOCATION (City and State) SUA Surficial Aquifer Production Well Replacement and Rehabilitation Program Palm Beach Gardens, FL	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (If applicable) Ongoing
e.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE: <input checked="" type="checkbox"/> Check if project performed with current firm HCE is assisting Seacoast Utility Authority with a phased, multi-year program of replacing aged surficial aquifer production wells. HCE has assisted with the replacement of 33 wells in multiple phases. HCE worked with hydrogeologist JLA Geosciences, Inc. on the design and construction of the wells. Each phase included separate design documents, permits from the Palm Beach County Health Department and the South Florida Water Management District, and bidding and construction assistance services. The wells are being constructed by multiple contractors. The replacement wells are located in the same easements or on the same sites as the original wells. These projects included hydraulic modeling of the raw water system, screened and open-hole wells, new well heads and raw water mains, and associated electrical and instrumentation. Specific Role: Project Engineer		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Mitchell Jennings	13. ROLE IN THIS CONTRACT Field Geologist	14. YEARS EXPERIENCE	
		a. TOTAL 4	b. WITH CURRENT FIRM 2
15. FIRM NAME AND LOCATION <i>(City and State)</i> McNabb Hydrogeologic Consulting, Inc., 4600 Military Trail, Suite 116, Jupiter, Florida 33458			
16. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> Bachelor of Science, Geology, East Tennessee University		17. CURRENT PROFESSIONAL REGISTRATION <i>(STATE AND DISCIPLINE)</i> none	
18. OTHER PROFESSIONAL QUALIFICATIONS <i>(Publications, Organizations, Training, Awards, etc.)</i> none			

19. RELEVANT PROJECTS

a.	(1) TITLE AND LOCATION <i>(City and State)</i> City of Hollywood Southern Regional WWTP Injection Well System, Hollywood, Florida	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES Anticipated Dec. 2021	CONSTRUCTION (If applicable) Anticipated Nov. 2021
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Provided construction oversight services for Class I Industrial injection wells IW-3, IW-4 and dual-zone monitor well MW-2. Managed a team of geologist overseeing the construction of the wells. The injection wells were drilled to a depth of 3,500 feet and were completed with 36" diameter final casing and 26" diameter FRP liner. Construction and construction observation is taking place on a 24-hour, 7 days a week schedule. Each injection well will have a disposal capacity of 19.92 MGD. Construction is anticipated to be completed in November 2021. The construction cost of the wells is \$39.9 million. Also reviewed draft construction permit application and draft technical specifications. Field geologist.		
	<input checked="" type="checkbox"/> Check if project performed with current firm		
b.	(1) TITLE AND LOCATION <i>(City and State)</i> North Springs Improvement District Injection Well System, Coral Springs Florida	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES Anticipated March 2022	CONSTRUCTION (If applicable) Anticipated February 2022
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Providing construction oversight services for a Class I Industrial deep injection well system at the North Springs Improvement District WTP. The deep injection well system consists of one 16-inch diameter deep injection well with a depth of 3,500 feet and dual-zone monitor well DZMW-1. The injection well will have an injection capacity of 7.93 MGD. Field geologist.		
	<input checked="" type="checkbox"/> Check if project performed with current firm		
c.	(1) TITLE AND LOCATION <i>(City and State)</i> Port St. Lucie Prineville WTP Injection Well IW-1 Mechanical Integrity Testing, Port St. Lucie, Florida	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES October 2020	CONSTRUCTION (If applicable)
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Provided testing oversight services for Mechanical Integrity Testing (MIT) of the Prineville WTP existing injection well IW-1. The project included field observation services during testing, coordination with FDEP to witness well pressure testing and assistance in the preparation of an MIT report summarizing and interpreting the testing procedures and results. Prepared graphs and tables summarizing monitor well water quality and injection well operating data. Field geologist.		
	<input checked="" type="checkbox"/> Check if project performed with current firm		
d.	(1) TITLE AND LOCATION <i>(City and State)</i> City of Stuart Water Reclamation Facility IW-1 and IW-2 Mechanical Integrity Testing, Stuart, Florida	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES February 2020	CONSTRUCTION (If applicable)
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Provided testing oversight services for Mechanical Integrity Testing (MIT) of the Stuart Water Reclamation Facility injection wells IW-1 and IW-2. The project included field observation services during testing, coordination with FDEP to witness well pressure testing and assistance in the preparation of an MIT reports summarizing and interpreting the testing procedures and results. Prepared graphs and tables summarizing monitor well water quality and injection well operating data. Field geologist.		
	<input checked="" type="checkbox"/> Check if project performed with current firm		
e.	(1) TITLE AND LOCATION <i>(City and State)</i> Palm Beach County Water Utilities Department Injection Wells MITs, Florida	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES May 2021	CONSTRUCTION (If applicable)
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Provided testing oversight services for Mechanical Integrity Testing (MIT) of seven injection wells PBCWUD facilities. The projects included field observation services during testing, coordination with FDEP to witness well pressure testing and assistance in the preparation of an MIT reports summarizing and interpreting the testing procedures and results. Prepared graphs and tables summarizing monitor well water quality and injection well operating data. Field geologist.		
	<input checked="" type="checkbox"/> Check if project performed with current firm		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Aaron Doyka	13. ROLE IN THIS CONTRACT Field Geologist	14. YEARS EXPERIENCE	
		a. TOTAL 3	b. WITH CURRENT FIRM 2
15. FIRM NAME AND LOCATION <i>(City and State)</i> McNabb Hydrogeologic Consulting, Inc., 4600 Military Trail, Suite 116, Jupiter, Florida 33458			
16. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> Master of Science, Geosciences, East Tennessee University		17. CURRENT PROFESSIONAL REGISTRATION <i>(STATE AND DISCIPLINE)</i> none	
18. OTHER PROFESSIONAL QUALIFICATIONS <i>(Publications, Organizations, Training, Awards, etc.)</i> none			

19. RELEVANT PROJECTS

a.	(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
	City of Hollywood Southern Regional WWTP Injection Well System, Hollywood, Florida	Anticipated Dec. 2021	Anticipated Nov. 2021
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Providing construction oversight services for Class I Industrial injection wells IW-3, IW-4 and dual-zone monitor well MW-2. Managed a team of geologist overseeing the construction of the wells. The injection wells were drilled to a depth of 3,500 feet and were completed with 36" diameter final casing and 26" diameter FRP liner. Construction and construction observation is taking place on a 24-hour, 7 days a week schedule. Each injection well will have a disposal capacity of 19.92 MGD. Construction is anticipated to be completed in November 2021. The construction cost of the wells is \$39.9 million. Also reviewed draft construction permit application and draft technical specifications. Field geologist.		
b.	(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Mr. Doyka has been assigned to the above-described project since joining McNabb Hydrogeologic Consulting, Inc.		
c.	(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Check if project performed with current firm		
d.	(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Check if project performed with current firm		
e.	(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Check if project performed with current firm		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
15. FIRM NAME AND LOCATION <i>(City and State)</i>			
16. EDUCATION <i>(Degree and Specialization)</i>		17. CURRENT PROFESSIONAL REGISTRATION <i>(State and Discipline)</i>	
18. OTHER PROFESSIONAL QUALIFICATIONS <i>(Publications, Organizations, Training, Awards, etc.)</i>			

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>
a.	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE	<input type="checkbox"/> Check if project performed with current firm	
	(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>
b.	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE	<input type="checkbox"/> Check if project performed with current firm	
	(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>
c.	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE	<input type="checkbox"/> Check if project performed with current firm	
	(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>
d.	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE	<input type="checkbox"/> Check if project performed with current firm	
	(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>
e.	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE	<input type="checkbox"/> Check if project performed with current firm	

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Michael Guida, P.E.	13. ROLE IN THIS CONTRACT Electrical Engineer	14. YEARS EXPERIENCE	
		a. TOTAL 28	b. WITH CURRENT FIRM 2 years
15. FIRM NAME AND LOCATION <i>(City and State)</i> C&W Engineering, Inc.			
16. EDUCATION <i>(Degree and Specialization)</i> Bachelor of Science Electrical Engineering (BSEE)		17. CURRENT PROFESSIONAL REGISTRATION <i>(State and Discipline)</i> Florida PE No. 60755	
18. OTHER PROFESSIONAL QUALIFICATIONS <i>(Publications, Organizations, Training, Awards, etc.)</i>			

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>
a.	Palm Beach County Lift Station Rehabilitation Project B, Bid Pkg. 2 Palm Beach County, FL	2019	2020
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm Electrical Engineering Design included new service wires, conduit, main service, control panel. Sizing for pumps, voltages. Coordination with FPL. This project included 29 lift stations. \$5M		
b.	City of West Palm Beach ECR Water Reclamation Facility West Palm Beach, FL	2019	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm GBT Bldg. HVAC evaluation and design, Electrical and HVAC load calculations, design. \$250,000.00		
c.	City of Pembroke Pines WWTP Rehabilitation, Phase 1 Pembroke Pines, FL	2019	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm Electrical Engineering Design build services include data evaluation and preliminary design, drawings and engineering, specifications, submit and review. \$3.5M		
d.	Town of Palm Beach E-3 and G-9 Sanitary Pump Station Improvements Palm Beach, FL	2018	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm Electrical Engineering and design of new control panels, conduits, service conductors, main breakers. New RTU system, as needed. New remote telemetry system. \$250,000.00		
e.	Town of Palm Beach A-7 Pump Station Upsizing of Pumps Palm Beach, FL	2019	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm Electrical Engineering Design services for the upsizing of pumps to 12HP, reuse the power service, reuse and modify control panel, wetwell level control system, RTU points. Provided drawings, DEP permit signing. \$100,000.00		

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i>	20. EXAMPLE PROJECT KEY NUMBER <p style="text-align: center;">1</p>
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21. TITLE AND LOCATION <i>(City and State)</i> Hollywood SRWWTP Injection Well System, Hollywood, Florida	22. YEAR COMPLETED <table border="1" style="width: 100%;"> <tr> <td data-bbox="699 289 1078 359">PROFESSIONAL SERVICES Anticipated December 2021</td> <td data-bbox="1078 289 1508 359">CONSTRUCTION <i>(If applicable)</i> Anticipated November 2021</td> </tr> </table>		PROFESSIONAL SERVICES Anticipated December 2021	CONSTRUCTION <i>(If applicable)</i> Anticipated November 2021
PROFESSIONAL SERVICES Anticipated December 2021	CONSTRUCTION <i>(If applicable)</i> Anticipated November 2021			

23. PROJECT OWNER'S INFORMATION		
a. PROJECT OWNER City of Hollywood	b. POINT OF CONTACT NAME Feng Jiang, Manager	c. POINT OF CONTACT TELEPHONE NUMBER 954-921-3930

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

McNabb Hydrogeologic Consulting, Inc. (MHC) provided design, construction permitting, bidding and construction administration services for a Class I Industrial deep injection well system at the City of Hollywood Southern Regional Wastewater Treatment Plant. The deep injection well system consists of 2 deep injection wells with a maximum depth of 3,500 feet and dual-zone monitor well MW-2. The injection wells were designed to Class I Industrial deep injection well standards (tubing and packer design) to allow disposal of reverse-osmosis concentrate and treated wastewater. Each of the injection wells has a 36-inch diameter final steel casing and a 26-inch diameter Fiberglass Reinforced Plastic (FRP) liner. The annular space between the final casing and the FRP liner is fully cemented to ensure there can be no fluid leaks from the annular space. FRP was selected as the liner material rather than steel to ensure that the liner will not be compromised by corrosion. Each injection well will have a capacity of 19.92 MGD. Construction will be completed in November 2021. We worked with the contractor to allow 2 drill rigs working on the site to fast-track the construction. Construction cost is \$39.9 million.



25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

a.	(1) FIRM NAME McNabb Hydrogeologic	(2) FIRM LOCATION <i>(City and State)</i> Jupiter, Florida	(3) ROLE Project Manager
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F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i>	20. EXAMPLE PROJECT KEY NUMBER 2
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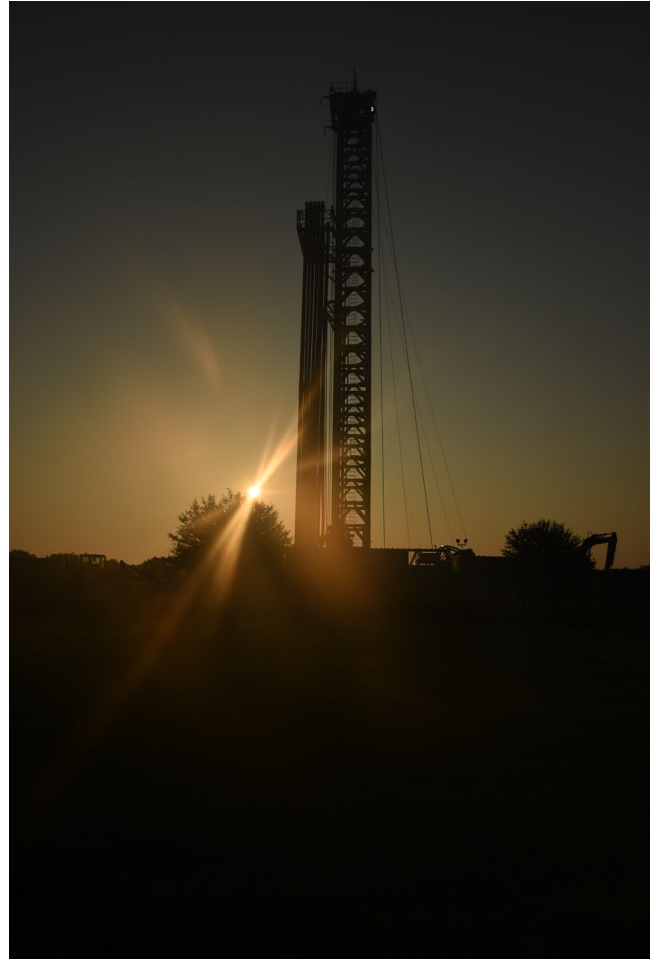
21. TITLE AND LOCATION <i>(City and State)</i> FPL Okeechobee Clean Energy Center Injection Well System, Vero Beach, Florida	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES August 2018	CONSTRUCTION <i>(If applicable)</i> April 2018

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER Florida Power & Light	b. POINT OF CONTACT NAME Rich Merrill/Senior Project Manager	c. POINT OF CONTACT TELEPHONE NUMBER 772-774-2319
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24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

McNabb Hydrogeologic Consulting, Inc. (MHC), teamed with Holtz Consulting Engineers, provided design, construction permitting, and construction administration services for a Class I Industrial deep injection well system at the FPL Okeechobee Clean Energy Center in Okeechobee County. The deep injection well system consists of 2 deep injection wells with a maximum depth of 3,210 feet and dual-zone monitor well DZMW-1. Each injection well was completed with a 24-inch diameter final steel casing and an 18-inch diameter FRP liner. FRP was selected as the liner material due to its resistance corrosion. Other materials are prone to corrosion that could lead to failure of the liner. The injection wells were designed to Class I Industrial deep injection well standards (tubing and packer design) to allow disposal of industrial wastewater from the electrical power generation process. Each of the wells were constructed on a 24-hours a day, 7 days a week schedule to ensure the injection well system was ready for operation during construction and commissioning of the OCEC power plant. The project was completed ahead of schedule and was operational during construction of the OCEC power plant. Each injection well has an injection capacity of 9.6 MGD. The construction permit application was submitted on October 24, 2014 and the construction permit was issued on April 14, 2015.



25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

a.	(1) FIRM NAME McNabb Hydrogeologic Consulting,	(2) FIRM LOCATION <i>(City and State)</i> Jupiter, Florida	(3) ROLE Project Manager
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F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i>	20. EXAMPLE PROJECT KEY NUMBER 3
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21. TITLE AND LOCATION <i>(City and State)</i> Port St. Lucie Westport WWTF Injection Well IW-2 Design and Construction Permit, Port St. Lucie Florida	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES July 2020	CONSTRUCTION <i>(If applicable)</i>

23. PROJECT OWNER'S INFORMATION		
a. PROJECT OWNER Port St. Lucie	b. POINT OF CONTACT NAME Richard Schoenborn	c. POINT OF CONTACT TELEPHONE NUMBER 772-873-6485

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

McNabb Hydrogeologic Consulting, Inc., teamed with Holtz Consulting Engineers, provided injection well IW-2 construction permitting and design services for the City's Westport WWTF. FDEP issued a Construction Permit for the project in January 2019. FDEP had threatened to deny issuance of the construction permit due to water quality trends observed at the dual-zone monitor well. Injection well IW-2 was needed for disposal of treated wastewater (undergoing high level disinfection) from the proposed Westport WWTF expansion, so denial of the construction would have greatly impacted the planned plant expansion. Discussions were held with FDEP to address their water quality trend concerns. We were able to get FDEP to agree to issue the construction permit by proposing enhanced testing during construction of IW-2. The design included a Class I injection well with a 24-inch diameter final casing installed to a depth of approximately 2,900 feet and a total depth of 3,350 feet. McNabb Hydrogeologic Consulting, Inc., teamed with Holtz Consulting Engineers, was selected for the construction administration during the construction of IW-2, however, the project was ultimately canceled after obtaining the construction permit and completing the design when the plant expansion was canceled and plant upgrades were required instead.



25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT			
a.	(1) FIRM NAME McNabb Hydrogeologic Consulting, Inc.	(2) FIRM LOCATION <i>(City and State)</i> Jupiter, Florida	(3) ROLE Project Manager

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i>	20. EXAMPLE PROJECT KEY NUMBER 4
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21. TITLE AND LOCATION <i>(City and State)</i> JEA WTP Injection Well Repair, Port St. Lucie, Florida	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES April 2019	CONSTRUCTION <i>(If applicable)</i> February 2019

23. PROJECT OWNER'S INFORMATION		
a. PROJECT OWNER City of Port St. Lucie	b. POINT OF CONTACT NAME Brad Macek, P.E.	c. POINT OF CONTACT TELEPHONE NUMBER 772-873-6412

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

A sudden loss of pressure in the annulus pressure system of injection well IW-1 at the JEA WTP was noted by the WTP operators. The City asked McNabb Hydrogeologic Consulting, Inc. to investigate the source of the pressure loss. A plan was developed to inspect the steel injection liner (designed by others) with a video camera. The video identified an approximately 1-inch diameter hole in the steel liner. The City requested the services of McNabb Hydrogeologic Consulting to develop a plan for the repair of the injection well. An application to allow the repair of the well was submitted to FDEP on October 17, 2017, and FDEP issued the permit on December 26, 2017. The permit was issued without FDEP issuing a Request for Additional Information. A repair design was prepared to allow the steel liner to be removed and a Fiberglass Reinforced Plastic (FRP) liner to be installed. The FRP liner was selected to eliminate the possibility of another failure due to corrosion. The design also required that the liner be cemented from the base of the liner to land surface. This eliminated the fluid-filled annulus that had previously been designed by others. By cementing the liner in place, the annular space between the final casing and the liner was eliminated which eliminated the possibility of ever developing an annular leak. The project successfully restored the mechanical integrity of the well. Construction cost was \$1,234,567 and there were no change orders associated with the project.



25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT			
a.	(1) FIRM NAME McNabb Hydrogeologic Consulting, Inc.	(2) FIRM LOCATION <i>(City and State)</i> Jupiter, Florida	(3) ROLE Project Manager

<p>F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i></p>	<p>20. EXAMPLE PROJECT KEY NUMBER 5</p>
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<p>21. TITLE AND LOCATION <i>(City and State)</i> North Springs Improvement District Injection Well System, Coral Springs Florida</p>	<p>22. YEAR COMPLETED</p>	
	<p>PROFESSIONAL SERVICES Anticipated March 2022</p>	<p>CONSTRUCTION <i>(If applicable)</i> Anticipated February 2022</p>

<p>23. PROJECT OWNER'S INFORMATION</p>		
<p>a. PROJECT OWNER North Springs Improvement District</p>	<p>b. POINT OF CONTACT NAME Jane Early</p>	<p>c. POINT OF CONTACT TELEPHONE NUMBER 954-796-5096</p>

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

McNabb Hydrogeologic Consulting, Inc. (MHC) provided design, construction permitting, and construction oversight services for a Class I Industrial deep injection well system at the North Springs Improvement District in Coral Springs. The deep injection well system consists of 1 deep injection well with a depth of 3,500 feet and dual-zone monitor well DZMW-1. The final casing of the monitor well and the liner of the injection well were designed to be Fiberglass Reinforced Plastic (FRP) to ensure they would not be compromised by corrosion. The injection well was designed to Class I Industrial deep injection well standards (tubing and packer design) to allow disposal of reverse-osmosis concentrate. The construction permit application was submitted to FDEP on August 16, 2018, and the construction permit was issued by FDEP on April 16, 2019. Construction is anticipated to be completed in February 2022.



25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

<p>a. (1) FIRM NAME McNabb Hydrogeologic Consulting, Inc.</p>	<p>(2) FIRM LOCATION <i>(City and State)</i> Jupiter, Florida</p>	<p>(3) ROLE Project Manager</p>
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<p>F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i></p>	<p>20. EXAMPLE PROJECT KEY NUMBER 6</p>
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<p>21. TITLE AND LOCATION <i>(City and State)</i> FPL Turkey Point Injection Well System, Homestead, Florida</p>	<p>22. YEAR COMPLETED</p> <table border="1"> <tr> <td data-bbox="760 289 1109 359"> <p>PROFESSIONAL SERVICES July 2018</p> </td> <td data-bbox="1109 289 1503 359"> <p>CONSTRUCTION <i>(If applicable)</i> 2016</p> </td> </tr> </table>		<p>PROFESSIONAL SERVICES July 2018</p>	<p>CONSTRUCTION <i>(If applicable)</i> 2016</p>
<p>PROFESSIONAL SERVICES July 2018</p>	<p>CONSTRUCTION <i>(If applicable)</i> 2016</p>			

23. PROJECT OWNER'S INFORMATION		
<p>a. PROJECT OWNER Florida Power & Light</p>	<p>b. POINT OF CONTACT NAME Ray Moore</p>	<p>c. POINT OF CONTACT TELEPHONE NUMBER 305-242-3447</p>

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

McNabb Hydrogeologic Consulting, Inc. (MHC) provided design, permitting services and services during construction for a 3,230-foot deep injection well and associated dual-zone monitor well at the FPL Turkey Point Power Plant in Miami-Dade County. Holtz Consulting Engineers (HCE) provided the surface facilities design and served as the PE of Record for the well construction. The project required close coordination with other consultants preparing a Site Certification Application and the Nuclear Regulatory Commission applications for the construction of nuclear power generating units. The client required 24-hour a day, seven days a week construction oversight during the construction of the wells. The MHC and HCE team was selected for this competitively bid, non-municipal work due to their unrivaled quality of work, close regulatory relationships, and lowest cost fees. MHC has assisted FPL with several permit modifications, the renewal of the operating permit and mechanical integrity testing of the injection well system since the well was placed into service.



25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT		
<p>a. (1) FIRM NAME McNabb Hydrogeologic Consulting, Inc.</p>	<p>(2) FIRM LOCATION <i>(City and State)</i> Jupiter, Florida</p>	<p>(3) ROLE Project Manager</p>

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i>	20. EXAMPLE PROJECT KEY NUMBER 7
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21. TITLE AND LOCATION <i>(City and State)</i> Okeechobee Utility Authority WWTP Injection Well System, Okeechobee, Florida	22. YEAR COMPLETED PROFESSIONAL SERVICES 2019 CONSTRUCTION <i>(If applicable)</i> 2008	
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23. PROJECT OWNER'S INFORMATION		
a. PROJECT OWNER Okeechobee Utility Authority	b. POINT OF CONTACT NAME John Hayford	c. POINT OF CONTACT TELEPHONE NUMBER 863-467-1785

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

McNabb Hydrogeologic Consulting, Inc. (MHC) provided construction oversight services for a Class I deep injection well system at the Okeechobee Utilities Authority Cemetery Road Wastewater Treatment Plant in Okeechobee County. The deep injection well system consists of one deep injection well with a total depth of 3,200 feet and dual-zone monitor well DZMW-1. Both the injection well and monitor well were constructed concurrently to allow the drilling contractor to fast-track the construction to ensure the construction was completed within a compressed contract time. Observation of construction of both wells required close coordination with the drilling contractor and client to ensure operation of 2 drilling rigs at the site did not interfere with plant operations. Each of the wells were constructed on a 24-hours a day, 7 days a week schedule, and were completed on time and on budget without a single hour of contractor stand-by time. Total project construction cost was \$5.7 million. MHC has provided professional services for all subsequent permit renewals and mechanical integrity testing. The most recent operating permit application (teamed with HCE) was submitted on October 31, 2017 and the operating permit was issued on July 18, 2018.



25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

a.	(1) FIRM NAME McNabb Hydrogeologic Consulting, Inc.	(2) FIRM LOCATION <i>(City and State)</i> Jupiter, Florida	(3) ROLE Project Manager
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F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i>	20. EXAMPLE PROJECT KEY NUMBER 8
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21. TITLE AND LOCATION <i>(City and State)</i> Martin County Utilities North W/WWTF Monitor Well Replacement, Jensen Beach, Florida	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES September 2015	CONSTRUCTION <i>(If applicable)</i> September 2015

23. PROJECT OWNER'S INFORMATION		
a. PROJECT OWNER Martin County Utilities	b. POINT OF CONTACT NAME Daryl Schuler	c. POINT OF CONTACT TELEPHONE NUMBER 772-223-7957

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

McNabb Hydrogeologic Consulting, Inc., teamed with Holtz Consulting Engineers, Inc. to provide professional services for the design, permitting, bidding, construction oversight, and reporting for the construction of a dual-zone monitor well and plugging and abandonment of dual-zone monitor well MW-1 at the Martin County Utilities North Water/Wastewater Treatment Facility. A replacement monitor well was successfully installed within 150 of the existing injection well. The new well design included a fiberglass reinforced pastic (FRP) final casing to prevent material from building up inside the casing and causing the same problem that resulted in the old well needing to be replaced. We also provided professional services for the plugging and abandonment of the old dual-zone monitor well. The lower zone of the old monitor well had plugged off with material and was unable to be repaired due to the small diameter of the lower zone casing (2-7/8 inches). McNabb Hydrogeologic Consulting, Inc. prepared a plugging and abandonment plan and specifications for submittal and acceptance by FDEP. The well was then successfully plugged and abandoned. The combined construction cost of the replacement dual-zone monitor well and the plug and abandonment of the old well was \$919,994. Holtz Consulting Engineers, Inc. provided surface facilities design and Professional Engineer of Record services for this project. MHC was able to convince FDEP that the plugging and abandonment of MW-1 and installation of the replacement well was an emergency and FDEP issued the approval for the work 11 days after the request was submitted.



25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT		
a. (1) FIRM NAME McNabb Hydrogeologic Consulting, Inc.	(2) FIRM LOCATION <i>(City and State)</i> Jupiter, Florida	(3) ROLE Project Manager

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i>	20. EXAMPLE PROJECT KEY NUMBER 9
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21. TITLE AND LOCATION <i>(City and State)</i> Prineville WTP Injection Well System Operating Permit and MIT, Port St. Lucie, Florida	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES October 2020	CONSTRUCTION <i>(If applicable)</i>

23. PROJECT OWNER'S INFORMATION		
a. PROJECT OWNER City of Port St. Lucie	b. POINT OF CONTACT NAME Richard Schoenborn, P.E.	c. POINT OF CONTACT TELEPHONE NUMBER 772-873-6485

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

McNabb Hydrogeologic Consulting, Inc. recently provided professional services for Mechanical Integrity Testing (MIT) of the City's Prineville Water Treatment Plant injection well system. The project included the preparation of an MIT plan for submittal and acceptance by FDEP, preparation of technical specifications, field observation services during testing, coordination with FDEP to witness well pressure testing and preparation of an MIT report summarizing and interpreting the testing procedures and results. Testing was completed on October 6, 2020 – well ahead of the November 4, 2020 due date. The testing plan and specifications were developed to allow the testing to be completed in only 2 days, allowing the reverse-osmosis water treatment plant to resume normal operations quickly. There were no change orders associated with this project.

McNabb Hydrogeologic Consulting assisted the City with renewing the injection well system operating permit. The permit application was submitted to FDEP on December 8, 2017 and the permit was issued on July 20, 2018. There were no Requests for Additional Information issued by FDEP during the permitting process and the application was deemed complete as submitted.



25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT			
a.	(1) FIRM NAME McNabb Hydrogeologic Consulting, Inc.	(2) FIRM LOCATION <i>(City and State)</i> Jupiter, Florida	(3) ROLE Project Manager

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i>	20. EXAMPLE PROJECT KEY NUMBER 10
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21. TITLE AND LOCATION <i>(City and State)</i> FPL West County Energy Center Injection Well System Loxahatchee, Florida	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES March 2018	CONSTRUCTION <i>(If applicable)</i> 2008

23. PROJECT OWNER'S INFORMATION		
a. PROJECT OWNER Florida Power & Light	b. POINT OF CONTACT NAME Susan Mazur	c. POINT OF CONTACT TELEPHONE NUMBER 561-904-4907

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

McNabb Hydrogeologic Consulting, Inc. (MHC) provided design, construction permitting, and construction oversight services for a Class I Industrial deep injection well system at the FPL West County Energy Center in Palm Beach County. Holtz Consulting Engineers, Inc. (HCE) provided surface facilities design and was PE of Record of the project. The deep injection well system consists of 2 deep injection wells with a maximum depth of 3,400 feet and dual-zone monitor well DZMW-1. Each of the wells was completed with a Fiberglass Reinforced Plastic (FRP) liner to ensure the liners would not be compromised by corrosion. The injection wells were designed to Class I Industrial deep injection well standards (tubing and packer design) to allow disposal of industrial wastewater from the electrical power generation process. The wells were constructed on a 24-hours a day, 7 days a week schedule, and were completed on time and under budget without a single hour of contractor stand-by time.

MHC has provided all subsequent professional services for mechanical integrity testing of the injection wells and renewal of operating permits for the system. MHC is the only consultant that FPL has used to assist them with all their injection well projects (design, permitting, MITs and construction administration) because of the quality of service provided and affordable fees.



25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT			
a.	(1) FIRM NAME McNabb Hydrogeologic Consulting, Inc.	(2) FIRM LOCATION <i>(City and State)</i> Jupiter, Florida	(3) ROLE Project Manager

G. KEY PERSONNEL PARTICIPATION IN EXAMPLE PROJECTS

26. NAMES OF KEY PERSONNEL (From Section E, Block 12)	27. ROLE IN THIS CONTRACT (From Section E, Block 13)	28. EXAMPLE PROJECTS LISTED IN SECTION F (Fill in "Example Projects Key" section below before completing table. Place "X" under project key number for participation in same or similar role.)									
		1	2	3	4	5	6	7	8	9	10
David McNabb, P.G.	Project Manager	X	X	X	X	X	X	X	X	X	X
David Holtz, P.E.	Professional Engineer	<input type="checkbox"/>	X	X	<input type="checkbox"/>	<input type="checkbox"/>	X	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	X
Curtis Robinson, P.E.	Professional Engineer	<input type="checkbox"/>	<input type="checkbox"/>	X	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	X	X	X	<input type="checkbox"/>
Sally Durall	Senior Geologist	X	X	X	X	X	X	X	X	<input type="checkbox"/>	X
Mitchell Jennings	Field Geologist	X	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	X	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	X	<input type="checkbox"/>
Aaron Doyka	Field Geologist	X	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	X	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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29. EXAMPLE PROJECTS KEY

NO.	TITLE OF EXAMPLE PROJECT (FROM SECTION F)	NO.	TITLE OF EXAMPLE PROJECT (FROM SECTION F)
1	Hollywood SRWWTP Injection Well System	6	FPL Turkey Point Injection Well System
2	FPL Okeechobee Clean Energy Center Injection Well System	7	Okeechobee Utility Authority WWTP Injection Well System
3	Port St. Lucie Westport WWTF Injection Well IW-2 Construction Permit and Design	8	Martin County Utilities North W/WWTF Monitor Well Replacement
4	Port St. Lucie JEA WTP Injection Well Repair	9	Prineville WTP Injection Well System Operating Permit and MIT
5	North Springs Improvement District Injection Well System	10	FPL West County Energy Center Injection Well System

H. ADDITIONAL INFORMATION

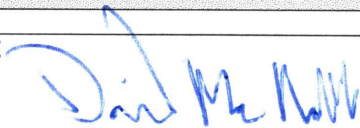
30. PROVIDE ANY ADDITIONAL INFORMATION REQUESTED BY THE AGENCY. ATTACH ADDITIONAL SHEETS AS NEEDED.

McNabb Hydrogeologic Consulting, Inc. (MHC) was established in 2006 to provide efficient and cost-effective Class I injection well system design, permitting, construction observation, reporting and testing consulting services. We specialize in Class I injection well projects with injection well projects making up 100% of our project work over the past 15 years. No other firm can make that statement.

We have provided design, permitting, reporting and construction oversight services for over \$48,000,000 worth of injection well construction in just the past 2 years. MHC, teamed with Holtz Consulting Engineers, have been providing the City of Port St. Lucie with injection well consulting services since 2008 so we know the City, its injection wells and the City knows us and the quality of service our team provide. It is for this reason that we were selected in 2018 to provide design, construction oversight, and reporting services for the then proposed injection well IW-2 at the Westport Wastewater Treatment Facility (the project was canceled after obtaining the IW-2 construction permit and completion of the well design when the plant expansion was cancelled).

I. AUTHORIZED REPRESENTATIVE
The foregoing is a statement of facts.

31. SIGNATURE



32. DATE

October 22, 2021

33. NAME AND TITLE

David McNabb, President

Request for Taxpayer Identification Number and Certification

**Give Form to the
 requester. Do not
 send to the IRS.**

▶ Go to www.irs.gov/FormW9 for instructions and the latest information.

See Specific Instructions on page 3.

1 Name (as shown on your income tax return). Name is required on this line; do not leave this line blank. <div style="text-align: center; font-size: 1.2em;">David McNabb</div>	
2 Business name/disregarded entity name, if different from above <div style="text-align: center; font-size: 1.2em;">McNabb Hydrogeologic Consulting, Inc.</div>	
3 Check appropriate box for federal tax classification of the person whose name is entered on line 1. Check only one of the following seven boxes. <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div style="width: 20%;"> <input type="checkbox"/> Individual/sole proprietor or single-member LLC </div> <div style="width: 20%;"> <input type="checkbox"/> C Corporation </div> <div style="width: 20%;"> <input checked="" type="checkbox"/> S Corporation </div> <div style="width: 20%;"> <input type="checkbox"/> Partnership </div> <div style="width: 20%;"> <input type="checkbox"/> Trust/estate </div> </div> <div style="margin-top: 10px;"> <input type="checkbox"/> Limited liability company. Enter the tax classification (C=C corporation, S=S corporation, P=Partnership) ▶ _____ <small>Note: Check the appropriate box in the line above for the tax classification of the single-member owner. Do not check LLC if the LLC is classified as a single-member LLC that is disregarded from the owner unless the owner of the LLC is another LLC that is not disregarded from the owner for U.S. federal tax purposes. Otherwise, a single-member LLC that is disregarded from the owner should check the appropriate box for the tax classification of its owner.</small> </div> <div style="margin-top: 10px;"> <input type="checkbox"/> Other (see instructions) ▶ _____ </div>	4 Exemptions (codes apply only to certain entities, not individuals; see instructions on page 3): Exempt payee code (if any) _____ Exemption from FATCA reporting code (if any) _____ <small>(Applies to accounts maintained outside the U.S.)</small>
5 Address (number, street, and apt. or suite no.) See instructions. <div style="text-align: center; font-size: 1.2em;">4600 Military Trail, Suite 116</div>	Requester's name and address (optional)
6 City, state, and ZIP code <div style="text-align: center; font-size: 1.2em;">Jupiter, Florida 33458</div>	
7 List account number(s) here (optional)	

Part I Taxpayer Identification Number (TIN)

Enter your TIN in the appropriate box. The TIN provided must match the name given on line 1 to avoid backup withholding. For individuals, this is generally your social security number (SSN). However, for a resident alien, sole proprietor, or disregarded entity, see the instructions for Part I, later. For other entities, it is your employer identification number (EIN). If you do not have a number, see *How to get a TIN*, later.

Note: If the account is in more than one name, see the instructions for line 1. Also see *What Name and Number To Give the Requester* for guidelines on whose number to enter.

Social security number									
or									
Employer identification number									
5	7	-	1	2	4	1	0	4	9

Part II Certification

- Under penalties of perjury, I certify that:
1. The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me); and
 2. I am not subject to backup withholding because: (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding; and
 3. I am a U.S. citizen or other U.S. person (defined below); and
 4. The FATCA code(s) entered on this form (if any) indicating that I am exempt from FATCA reporting is correct.

Certification instructions. You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and generally, payments other than interest and dividends, you are not required to sign the certification, but you must provide your correct TIN. See the instructions for Part II, later.

Sign Here	Signature of U.S. person ▶	Date ▶ October 7, 2021
------------------	----------------------------	-------------------------------

General Instructions

Section references are to the Internal Revenue Code unless otherwise noted.

Future developments. For the latest information about developments related to Form W-9 and its instructions, such as legislation enacted after they were published, go to www.irs.gov/FormW9.

Purpose of Form

An individual or entity (Form W-9 requester) who is required to file an information return with the IRS must obtain your correct taxpayer identification number (TIN) which may be your social security number (SSN), individual taxpayer identification number (ITIN), adoption taxpayer identification number (ATIN), or employer identification number (EIN), to report on an information return the amount paid to you, or other amount reportable on an information return. Examples of information returns include, but are not limited to, the following.

- Form 1099-INT (interest earned or paid)

- Form 1099-DIV (dividends, including those from stocks or mutual funds)
- Form 1099-MISC (various types of income, prizes, awards, or gross proceeds)
- Form 1099-B (stock or mutual fund sales and certain other transactions by brokers)
- Form 1099-S (proceeds from real estate transactions)
- Form 1099-K (merchant card and third party network transactions)
- Form 1098 (home mortgage interest), 1098-E (student loan interest), 1098-T (tuition)
- Form 1099-C (canceled debt)
- Form 1099-A (acquisition or abandonment of secured property)

Use Form W-9 only if you are a U.S. person (including a resident alien), to provide your correct TIN.
If you do not return Form W-9 to the requester with a TIN, you might be subject to backup withholding. See What is backup withholding, later.



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

10/20/2021

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Marsh & McLennan Agency LLC 218 South Hwy 1 Suite 300 Jupiter FL 33469	CONTACT NAME: Jim.Gandour@MarshMMA.com PHONE (A/C, No, Ext): 561-746-4546 E-MAIL ADDRESS: Jim.Gandour@MarshMMA.com	FAX (A/C, No):													
	<table border="1"> <thead> <tr> <th>INSURER(S) AFFORDING COVERAGE</th> <th>NAIC #</th> </tr> </thead> <tbody> <tr> <td>INSURER A : Auto-Owners Insurance Company</td> <td>18988</td> </tr> <tr> <td>INSURER B : Southern-Owners Insurance Company</td> <td>10190</td> </tr> <tr> <td>INSURER C : Transportation Insurance Company</td> <td>20494</td> </tr> <tr> <td>INSURER D : Continental Casualty Company</td> <td>20443</td> </tr> <tr> <td>INSURER E :</td> <td></td> </tr> <tr> <td>INSURER F :</td> <td></td> </tr> </tbody> </table>		INSURER(S) AFFORDING COVERAGE	NAIC #	INSURER A : Auto-Owners Insurance Company	18988	INSURER B : Southern-Owners Insurance Company	10190	INSURER C : Transportation Insurance Company	20494	INSURER D : Continental Casualty Company	20443	INSURER E :		INSURER F :
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INSURER D : Continental Casualty Company	20443														
INSURER E :															
INSURER F :															


COVERAGES **CERTIFICATE NUMBER:** 1952010743 **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC OTHER:			72690351	11/16/2021	11/16/2022	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 300,000 MED EXP (Any one person) \$ 10,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/OP AGG \$ 2,000,000 \$
A	AUTOMOBILE LIABILITY <input type="checkbox"/> ANY AUTO <input type="checkbox"/> OWNED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS ONLY <input checked="" type="checkbox"/> NON-OWNED AUTOS ONLY			72690351	11/16/2021	11/16/2022	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$
B	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE <input type="checkbox"/> DED <input checked="" type="checkbox"/> RETENTION \$ 10,000			4703325901	11/16/2021	11/16/2022	EACH OCCURRENCE \$ 5,000,000 AGGREGATE \$ 5,000,000 \$
C	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N	N/A	6021077066	5/4/2021	5/4/2022	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER E.L. EACH ACCIDENT \$ 500,000 E.L. DISEASE - EA EMPLOYEE \$ 500,000 E.L. DISEASE - POLICY LIMIT \$ 500,000
D	Professional			EEH591915369	11/18/2021	11/18/2022	Each Occurrence 2,000,000 Aggregate 2,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)
 RE: Contract # 20190123
 City of Port St. Lucie, a municipality of the State of Florida, its officers, employees and agents are additional insured for General Liability as required in written contract.

CERTIFICATE HOLDER**CANCELLATION**

City of Port St. Lucie, a municipality of the State of Florida ir's officers, employees, and agents 121 SW Port St. Lucie Boulevard Port St. Lucie FL 34984	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. AUTHORIZED REPRESENTATIVE 
--	---

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Ron DeSantis, Governor

Halsey Beshears, Secretary



STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION

BOARD OF PROFESSIONAL GEOLOGISTS

THE PROFESSIONAL GEOLOGIST HEREIN IS LICENSED UNDER THE
PROVISIONS OF CHAPTER 492, FLORIDA STATUTES

MCNABB, DAVID MICHAEL

MCNABB HYDROGEOLOGIC CONSULTING INC
4600 MILITARY TRAIL, SUITE 116
JUPITER FL 33458

LICENSE NUMBER: PG1461

EXPIRATION DATE: JULY 31, 2022

Always verify licenses online at MyFloridaLicense.com



Do not alter this document in any form.

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Ron DeSantis, Governor



FBPE
FLORIDA BOARD OF
PROFESSIONAL ENGINEERS

STATE OF FLORIDA

BOARD OF PROFESSIONAL ENGINEERS

THE PROFESSIONAL ENGINEER HEREIN IS LICENSED UNDER THE
PROVISIONS OF CHAPTER 471, FLORIDA STATUTES

HOLTZ, DAVID FORREST

270 SOUTH CENTRAL BOULEVARD
SUITE 207
JUPITER FL 33458

LICENSE NUMBER: PE42595

EXPIRATION DATE: FEBRUARY 28, 2023

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Ron DeSantis, Governor



FBPE
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STATE OF FLORIDA

BOARD OF PROFESSIONAL ENGINEERS

THE PROFESSIONAL ENGINEER HEREIN IS LICENSED UNDER THE
PROVISIONS OF CHAPTER 471, FLORIDA STATUTES

ROBINSON, CURTIS DUANE

270 SOUTH CENTRAL BOULEVARD
SUITE 207
JUPITER FL 33458

LICENSE NUMBER: PE65685

EXPIRATION DATE: FEBRUARY 28, 2023

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Ron DeSantis, Governor



FBPE
FLORIDA BOARD OF
PROFESSIONAL ENGINEERS

STATE OF FLORIDA

BOARD OF PROFESSIONAL ENGINEERS

THE PROFESSIONAL ENGINEER HEREIN IS LICENSED UNDER THE
PROVISIONS OF CHAPTER 471, FLORIDA STATUTES

BARRON, ROBERT H.

216 GLENEAGLES DR
ATLANTIS FL 33462

LICENSE NUMBER: PE91550

EXPIRATION DATE: FEBRUARY 28, 2023

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Ron DeSantis, Governor



FBPE
FLORIDA BOARD OF
PROFESSIONAL ENGINEERS

STATE OF FLORIDA

BOARD OF PROFESSIONAL ENGINEERS

THE PROFESSIONAL ENGINEER HEREIN IS LICENSED UNDER THE
PROVISIONS OF CHAPTER 471, FLORIDA STATUTES

GUIDA, MICHAEL A.

6903 VISTA PARKWAY N
STE 10
WEST PALM BEACH FL 33411

LICENSE NUMBER: PE60755

EXPIRATION DATE: FEBRUARY 28, 2023

Always verify licenses online at MyFloridaLicense.com



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This is your license. It is unlawful for anyone other than the licensee to use this document.

State of Florida

Department of State

I certify from the records of this office that MCNABB HYDROGEOLOGIC CONSULTING, INC. is a corporation organized under the laws of the State of Florida, filed on August 16, 2006, effective August 20, 2006.

The document number of this corporation is P06000106613.

I further certify that said corporation has paid all fees due this office through December 31, 2021, that its most recent annual report/uniform business report was filed on January 15, 2021, and that its status is active.

I further certify that said corporation has not filed Articles of Dissolution.

*Given under my hand and the
Great Seal of the State of Florida
at Tallahassee, the Capital, this
the Fifteenth day of January, 2021*



Ronald R. De

Secretary of State

Tracking Number: 9950185920CC

To authenticate this certificate, visit the following site, enter this number, and then follow the instructions displayed.

<https://services.sunbiz.org/Filings/CertificateOfStatus/CertificateAuthentication>

State of Florida

Department of State

I certify from the records of this office that HOLTZ CONSULTING ENGINEERS, INC. is a corporation organized under the laws of the State of Florida, filed on March 24, 2006, effective March 24, 2006.

The document number of this corporation is P06000043115.

I further certify that said corporation has paid all fees due this office through December 31, 2021, that its most recent annual report/uniform business report was filed on January 3, 2021, and that its status is active.

I further certify that said corporation has not filed Articles of Dissolution.

*Given under my hand and the
Great Seal of the State of Florida
at Tallahassee, the Capital, this
the Third day of January, 2021*



Ronald R. DeBevoise

Secretary of State

Tracking Number: 4961101730CC

To authenticate this certificate, visit the following site, enter this number, and then follow the instructions displayed.

<https://services.sunbiz.org/Filings/CertificateOfStatus/CertificateAuthentication>

Licensee Details

Licensee Information

Name: **C&W ENGINEERING INC. (Primary Name)**
 Main Address: **2775 VISTA PARKWAY
 UNIT G-6
 WEST PALM BEACH Florida 33411**
 County: **PALM BEACH**
 License Mailing:
 LicenseLocation:

License Information

License Type: **Certificate of Authorization**
 Rank: **Cert of Auth**
 License Number: **33315**
 Status: **Current**
 Licensure Date: **07/30/2019**
 Expires: **02/28/2021**

Special Qualifications Qualification Effective

Alternate Names

[View Related License Information](#)

[View License Complaint](#)

2601 Blair Stone Road, Tallahassee FL 32399 :: Email: **Customer Contact Center** :: Customer Contact Center: 850.487.1395

The State of Florida is an AA/EEO employer. **Copyright 2007-2010 State of Florida, Privacy Statement**

Under Florida law, email addresses are public records. If you do not want your email address released in response to a public-records request, do not send electronic mail to this entity. Instead, contact the office by phone or by traditional mail. If you have any questions, please contact 850.487.1395. *Pursuant to Section 455.275(1), Florida Statutes, effective October 1, 2012, licensees licensed under Chapter 455, F.S. must provide the Department with an email address if they have one. The emails provided may be used for official communication with the licensee. However email addresses are public record. If you do not wish to supply a personal address, please provide the Department with an email address which can be made available to the public.



Addendum #1
eRFP # 20210107
Design & Permitting of Class I Deep Injection Well at Prineville WTP
September 20, 2021

Please make the following changes/modifications to the subject solicitation:

REVISED

Evaluation Phase 1 Committee Meeting has been changed and is now on November 16, 2021 at 1:30pm.

Meeting Location: 121 SW Port St. Lucie Blvd., Port St. Lucie, FL 34984 3rd Floor OMB Conference Room

Evaluation Phase 2 Committee Meeting has been changed and is now on November 23, 2021 at 1:30pm.

Meeting Location: 121 SW Port St. Lucie Blvd., Port St. Lucie, FL 34984 3rd Floor OMB Conference Room



4600 Military Trail, Suite 116
Jupiter, Florida 33458
Phone: 561-891-0763

City of Port St. Lucie
Procurement Management Department
121 S.W. Port St. Lucie Blvd.
Port St. Lucie, FL 34984-5099

October 24, 2021

RE: Sealed Electronic Response to eRFP #20210107 – Request for Qualifications for Design & Permitting of Class I Deep Injection Well at Prineville WTP

McNabb Hydrogeologic Consulting, Inc. (MHC) is pleased to submit our response to the City's Electronic Request for Proposals (eRFP) #20210107 titled "Design & Permitting of Class I Deep Injection Well at Prineville WTP". We have purposely kept our response brief and to the point, without the frills and embellishments that can be distracting when reviewing a response, because our qualifications and experience make it clear that we are the appropriate firm to assist the City with the injection well at Prineville WTP. We thank you for your faith in previously allowing us to provide you with injection well consulting services over the past 13 years. As a result of our past projects, we believe that we have demonstrated our commitment to the City and have built professional relationships with your staff based on mutual respect, trust and confidence. We remain committed – committed to you.

MHC is a small, four-person, professional utility consulting firm specializing in providing deep injection well consulting services. While we are a small firm, we handle large projects. Over the past two years, we have designed, permitted and provided services during construction for over \$48 million of injection well construction projects. We are located in Jupiter – approximately 35 miles from Port St. Lucie. We offer a responsive, cost-effective and schedule-driven approach to client services that provides direct access to the local professional utility experts. As a small firm, every client and project are extremely important to us.

As the president of MHC, I bring over 29 years of South Florida hydrogeologic experience specializing in deep injection design, permitting, and construction observation. MHC has worked with the City on many deep injection well projects since 2008. Our existing relationships with City staff and our intimate knowledge of the Prineville injection well system and site provide added value. We require no time to become familiar with the site's geology and hydrogeology – we have assisted the City with every injection well permit renewal and mechanical integrity testing project for existing injection well IW-1 at the Prineville WTP over the last 10 years.

MHC has teamed up with Holtz Consulting Engineers, Inc. (HCE) and C&W Engineering, Inc., because of the quality of work both firms have provided the City in the past. HCE is a 19-person firm located in Jupiter. MHC has teamed with HCE on many projects, including injection well permitting and design for the City of Port St. Lucie. HCE also assisted with the repair of IW-1 at the JEA WTP, which involved permitting, design and services during construction. C&W Engineering, Inc. is a five-person professional engineering firm located in West Palm Beach. They will be assisting with the electrical (including SCADA) portion of the project.

We are a team of small firms. To each of us, every single client is extremely important, and we do not have the overwhelming number of clients that the large firms possess. Our team has successfully made the City feel like they are our only client, which reflects the importance we place on our working relationship.

As President of MHC, I pledge the commitment of our team to provide responsive, schedule-driven, efficient professional hydrogeologic consulting services. Please feel free to contact me at (561) 891-0763 if you require additional information.

Sincerely,

McNabb Hydrogeologic Consulting, Inc.

A handwritten signature in blue ink, appearing to read "David McNabb", is written over the printed name.

David McNabb, P.G.
President



Addendum #2
eRFP # 20210107
Design & Permitting of Class I Deep Injection Well at Prineville WTP
October 5, 2021

Please make the following changes/modifications to the subject solicitation:

*Question #1 – After a review of Attachment C - Sample Contract attached with this RFP, we are requesting the City revise the Indemnification language in **Section IX page 10** to be consistent with the text in the Insurance text (**Section XI page 11**) as listed below:*

*Consultant agrees to indemnify and hold harmless, the City, its officers, agents, and employees from, and against any and all claims, actions, liabilities, losses and expenses including, but not limited to, attorney's fees for personal, economic or bodily injury, wrongful death, loss of or damage to property, at law or in equity, ~~which may arise or may be alleged to have arisen from~~ **to the extent caused by** the negligent acts, errors, omissions or other wrongful conduct of Consultant, agents, laborers, subconsultants or other personnel entity acting under Consultant control in connection with the Consultant's performance of services under this Contract and to that extent Consultant shall pay such claims and losses and shall pay all such costs and judgments which may issue from any lawsuit arising from such claims and losses including wrongful termination or allegations of discrimination or harassment, and shall pay all costs and attorney's fees expended by the City in defense of such claims and losses including appeals. That the aforesaid hold-harmless Contract by Consultant shall apply to all damages and claims for damages of every kind suffered, or alleged to have been suffered, by reason of any of the aforesaid operations of Consultant or any agent laborers, subconsultants or employee of Consultant regardless of whether or not such insurance policies shall have been determined to be applicable to any of such damages or claims for damages. Consultant shall be held responsible for any violation of laws, rules, regulations or ordinances affecting in any way the conduct of all persons engaged in or the materials or methods used by Consultant on the work. This indemnification shall survive the termination of this Contract.*

REVISED

❖ **The City agrees to the revisions.**

Consultant agrees to indemnify and hold harmless, the City, its officers, agents, and employees from, and against any and all claims, actions, liabilities, losses and expenses including, but not limited to, attorney's fees for personal, economic or bodily injury, wrongful death, loss of or damage to property, at law or in equity, to the extent caused by the negligent acts, errors, omissions or other wrongful conduct of Consultant, agents, laborers, subconsultants or other personnel entity acting under Consultant control in connection with the Consultant's performance of services under this Contract and to that extent Consultant shall pay such claims and losses and shall pay all such costs and judgments which may issue from any lawsuit arising from such claims and losses including wrongful termination or allegations of discrimination or harassment, and shall pay all costs and attorney's fees expended by the City in defense of such claims and losses including appeals. That the aforesaid hold-harmless Contract by Consultant shall apply to all damages and claims for damages of every kind suffered, or alleged to have been suffered, by reason of any of the aforesaid operations of Consultant or any agent laborers, subconsultants or employee of Consultant regardless of whether or not such insurance policies shall have been determined to be applicable to any of such damages or claims for damages. Consultant shall be held responsible for any violation of laws, rules, regulations or ordinances affecting in any way the conduct of all persons engaged in or the materials or methods used by Consultant on the work. This indemnification shall survive the termination of this Contract.

Question #2 Question, Attachment D

Besides the E-Verify form, does the City require any of the other forms from subconsultants?

❖ **No.**



4600 Military Trail, Suite 116
Jupiter, Florida 33458
Phone: 561-891-0763

City of Port St. Lucie
Procurement Management Department
121 S.W. Port St. Lucie Blvd.
Port St. Lucie, FL 34984-5099

October 23, 2021

RE: Sealed Electronic Response to eRFP #20210107 – Request for Qualifications for Design & Permitting of Class I Deep Injection Well at Prineville WTP

McNabb Hydrogeologic Consulting, Inc. (MHC) is pleased to submit our response to the City's Electronic Request for Proposals (eRFP) #20210107 titled "Design & Permitting of Class I Deep Injection Well at Prineville WTP". We have purposely kept our response brief and to the point, without the frills and embellishments that can be distracting when reviewing a response, because our qualifications and experience make it clear that we are the appropriate firm to assist the City with the injection well at Prineville WTP. We thank you for your faith in previously allowing us to provide you with injection well consulting services over the past 13 years. As a result of our past projects, we believe that we have demonstrated our commitment to the City and have built professional relationships with your staff based on mutual respect, trust and confidence. We remain committed – committed to you.

MHC is a small, four-person, professional utility consulting firm specializing in providing deep injection well consulting services. While we are a small firm, we handle large projects. Over the past two years, we have designed, permitted and provided services during construction for over \$48 million of injection well construction. We are located in Jupiter – approximately 35 miles from Port St. Lucie. We offer a responsive, cost-effective and schedule-driven approach to client services that provides direct access to the local professional utility experts. As a small firm, every client and project are extremely important to us. We commit to giving this project our 100% attention.

As the president of MHC, I bring over 29 years of South Florida hydrogeologic experience specializing in deep injection design, permitting, and construction observation. MHC has worked with the City on many deep injection well projects since 2008. Our existing relationships with City staff and my intimate knowledge of the Prineville injection well system and site provide added value. We require no time to become familiar with the site's geology and hydrogeology – we have assisted the City with every injection well permit renewal and mechanical integrity testing project for existing injection well IW-1 at the Prineville WTP over the last 10 years.

MHC has teamed up with Holtz Consulting Engineers, Inc. (HCE) and C&W Engineering, Inc., because of the quality of work both firms have provided the City in the past. HCE is a 19-person firm located in Jupiter. MHC has teamed with HCE on many projects, including injection well permitting and design for the City of Port St. Lucie. HCE also assisted with the repair of IW-1 at the JEA WTP, which involved permitting, design and services during construction. C&W Engineering, Inc. is a four-person professional engineering firm located in West Palm Beach. They will be assisting with the electrical (including SCADA) portion of the project.

We are a team of small firms. To each of us, every single client is extremely important, and we do not have the overwhelming number of clients that the large firms possess. Our team has successfully made the City feel like they are our only client, which reflects the importance we place on our working relationship.

As President of MHC, I pledge the commitment of our team to provide responsive, schedule-driven, efficient professional hydrogeologic consulting services. Please feel free to contact me at (561) 891-0763 if you require additional information.

Sincerely,

McNabb Hydrogeologic Consulting, Inc.

A handwritten signature in blue ink that reads "David McNabb".

David McNabb, P.G.
President



4600 Military Trail, Suite 116
Jupiter, Florida 33458
Phone: 561-891-0763

Mandatory Scored Response Worksheet Attachment

1. Please provide all documentation needed for Location.

Response: The distance from the Port St. Lucie City Hall to the McNabb Hydrogeologic Consulting, Inc. (MHC) office is 35.3 miles. Please see the attached File #4 for Google Maps page showing the location of the MHC office in relationship to the Port St. Lucie City Hall.

2. Woman/Veteran/Minority Owned Business. Does the Primary firm hold a Minority Business Certification by the Florida Department of Management Services, as described in section 8 of the document? If so, please attach.

Response: MHC is not a Woman/Veteran/Minority owned business. However, our teammate, Holtz Consulting Engineers, Inc. (HCE) is a Woman Owned Business. A copy of their State of Florida Woman & Minority Business certification is provided in File #4.

3. Executive summary. This section should include the Firm's overall concept of the working relationship that will be required to successfully complete this project. The proposer shall provide an executive summary narrative containing information that indicates an understanding of the overall need for and purpose of the services presented in the RFP.

Response: This team is very familiar with the working relationship that leads to successful projects, having successfully completed many injection well related projects with the City over the past 13 years. Frequent communications between the City's project manager and our team and responsiveness will be critical for the success of this project. Upon the City notifying our team of its Notice of Intent to Award the contract, we will prepare a proposal for the work. We will provide a proposal for the work to the City very quickly since we will be able to recycle a proposal from a project of similar scope.

Our team would like to hold a project kick-off meeting with City staff (including water treatment plant operators – the people who will be operating the new injection well) within 5 days of the issuance of the Notice to Proceed (NTP) to discuss the IW-2 design, the best location for IW-2, project schedule, and any additional information needed from the City to assist in preparing the construction permit application. The selected injection well location should be within 150 feet of the existing dual-zone monitor well and in a location that will not interfere with current and future operations.

We will provide a draft construction permit application to the City for review within 21 days of award of the Contract to our team. We will ask that the City provide review comments

within 5 working days in order to keep momentum to get the application submitted to the Florida Department of Environmental Protection (FDEP) as soon as possible. We understand that it is imperative that this project be completed quickly since this project is being funded by a bond that requires that the project be completed within 3 years of the issuance of the bond. MHC already has nearly all the required figures for the permit application since MHC assisted the City with renewing the IW-1 operating permit in 2018 and assisted with the mechanical integrity testing of IW-1 in 2020. That also makes us very familiar with the existing injection well system, the site geology and hydrogeology, and the site itself. The figures from the previous projects will be recycled to save both time and money. We also prepared the construction permit application and design for injection well IW-2 at the Westport Wastewater Treatment Plant. Some of the information from that application will also be able to be recycled, again saving time and money. The Westport IW-2 project was ultimately canceled before construction due to the cancelation of the associated plant expansion.

We also have a long (beginning in 1992) relationship with the FDEP Underground Injection Control (UIC) program. Our relationship with FDEP and extensive experience in preparing injection well construction permit applications will minimize Requests for Additional Information (RAIs) during the process of obtaining a construction permit for this project.

Our team has a full understanding of the need and purpose of the services presented in the RFP. We understand that the City needs a back-up injection well for the existing injection well (IW-1) to ensure concentrate disposal in the case that IW-1 is out of service. This became clear when IW-1 developed a slow leak in its fluid-filled annular system approximately 1.5 years ago. If the well were going to need repairs, there was potential for IW-1 to be out of service for up to two months, greatly impacting plant operations. When this slow leak developed, the City called on MHC to evaluate the leak and assist with any needed repairs. MHC was able to develop a testing plan to determine the severity of the leak and ultimately determined that the leak was so minor that the well would (and did) pass FDEP strict pressure testing requirements and therefore there was no repair needed.

4. Qualifications & Staff/Personnel. Please complete and attach Form 330 part I and II for evaluation of qualifications & staff/personnel.

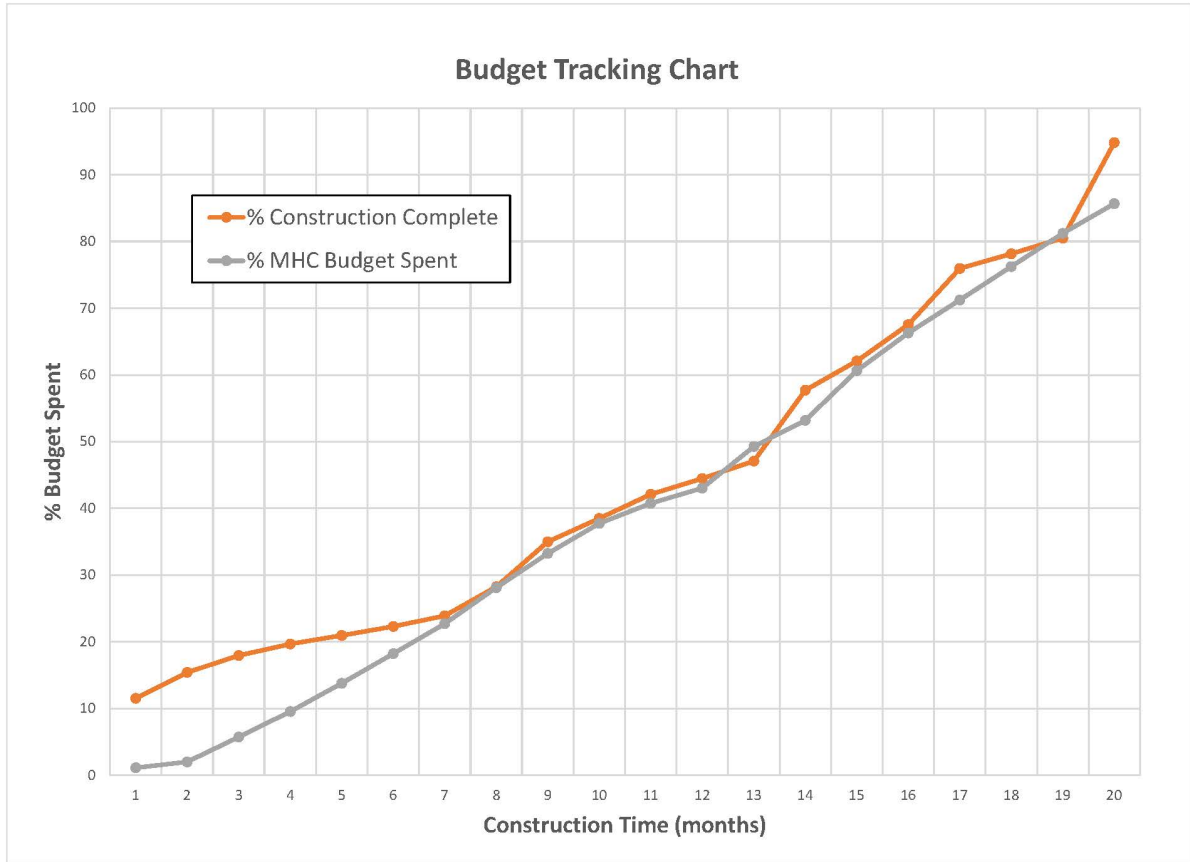
Response. Please see File #3 for Form 330 part I and II.

5. Provide a listing of firm's current contracts.

Response. Please File #4 for a listing of current contracts. Most of the listed projects are anticipated to be completed within the next 2 to 6 months.

6. Project Management Plan. This section shall describe the Firm's detailed plans for accomplishing the objectives of the project. It should include methods for planning, organizing, scheduling, coordinating, and administering the total effort. Explain the overall approach to the project. A submission of sample tables and graphs that are reflective of work typically performed by the consultant should be included in the proposal.

Response. We understand that it is extremely important to establish a back-up disposal method to existing injection well IW-1. The Electronic Request for Proposals (eRFP) clearly



Budget Tracking Graph.

The graph above is a budget tracking tool that we use to track our budget compared to construction progress. The goal is to ensure that our budget does not track above the percent of completed construction. If we see that our budget is getting ahead of the construction progress, for example, month 13 in the above graph, we identify the reason for the situation and address it. In this case our percent budget spent exceeded the construction progress because month 13 was an extra heavy month for regulatory submittals with two casing seat recommendations being required to be prepared and submitted to FDEP. There were no casing seat recommendations due the following month, so our percent budget spent fell below the percent of completed construction. This project is nearing completion and due to diligent budget tracking and an efficient team, it is likely that approximately \$100,000 of budget will not be spent on the time and expenses project.

The Prineville IW-2 Project Schedule presented in the response to the next question is another tool used to keep the project on track. The schedule is reviewed on a weekly basis to track project progress in conformance to the Project Schedule. Weekly review of the Project Schedule allows us to adapt quickly and avoid surprises at the end of a task. We do not like surprises in our projects.

The first phase will begin with a project kick-off meeting to discuss project schedule, proposed IW-2 location (within 150 feet of the existing monitor well), IW-2 surface facilities design criteria and long-term disposal capacity needs to ensure the well is designed to meet future disposal needs in the case of a plant expansion. A process for interim and final deliverables preparation, review, and approval will also be addressed in the kick-off meeting.

We will also coordinate and facilitate a pre-application meeting with FDEP and make it clear to them that this project is on a tight schedule to complete the well construction within 3 years of the bond issuance. We will then prepare the draft application within 21 days of the issuance of the NTP and provide a draft of the application to the City for review. Review comments will be addressed, and the final permit application will be submitted to the FDEP for review. While FDEP is processing the permit application, our team will prepare the 60%, 90%, and 100% design and include a construction cost estimate with each design phase. We will meet with the City at the Prineville Water Treatment Plant at each design stage to discuss review comments, finalize all major design decisions and resolve outstanding issues. The design team will generally mimic the IW-1 surface facilities design with the exception of any changes that City staff desires. The IW-1 subsurface design will be used to guide the subsurface design of IW-2 but will be refined to address potential for migration of previously injected fluids during construction of the well and will include a cemented annulus.

We recommend that the bidding phase take place during the permitting process so that a construction contractor is under contract as the permit gets issued. The contract can include language that indicates the project is contingent on issuance of the FDEP construction permit. Our team will conduct a pre-bid conference at the site for interested bidders, handle all direct communications with potential bidders on the design, prepare addenda as needed, tabulate and evaluate proposals from bidders, and prepare a recommendation of award of the construction contract.

The third phase of the project, construction oversight, will require a team of experienced professionals that understand the ins and outs of injection well construction. Each member of our team is experienced with injection well system construction. Sally Durall/MHC, with over 18 years of injection well construction experience, will manage the construction oversight team. The construction schedule will be reviewed on a weekly basis so that any schedule slippage is detected early. We recommend a bi-weekly meeting with the construction contractor and the City to discuss project progress, project schedule and budget. Data from the construction and testing of IW-1 will allow us to focus testing where it will provide the City with the most benefit and allow us to minimize the number of tests needed to identify the base of the Underground Source of Drinking Water (USDW) and evaluate confinement. This will save both time and money. It will be project manager's responsibility to maintain communications with FDEP throughout the entire project and prepare weekly construction summaries and casing setting depth recommendations. Weekly construction summaries, casing setting depth recommendations and the injection testing request will be reviewed by the construction oversight team prior to submittal to the City and FDEP. The surface facilities installation will be observed by HCE and C&W Engineering as needed. The project manager will coordinate the mechanical integrity demonstration of the completed well with the local office of the FDEP so they can witness pressure testing and the radioactive tracer survey. It is anticipated that the construction oversight phase will be completed with the performance of an injection test of the completed well. The injection testing will require close coordination with the City to ensure that an ample supply of water is available for the test.

The last phase of the project, which includes the preparation of the construction and testing report, Record Drawings, preparation of the Operations and Maintenance Manual (O&M manual) and the preparation and submittal of the Request for Operational Testing, will be handled by the project manager with the exception of the Record Drawings which will be

attended by the project manager, David McNabb/MHC, the surface facilities design manager, Curtis Robinson/HCE, and the subsurface construction and testing observation manager, Sally Durall/MHC.

The construction permitting task will begin with a pre-application meeting held with the City, MHC and the FDEP. The pre-application meeting will accomplish 3 things: 1) give FDEP a heads-up that the City will be submitting an application for a construction permit in the very near future, 2) allow us to explain to FDEP that this project is being funded by a grant that requires that the injection well be constructed within 3 years of the issuance of the grant, therefore, the success of the project depends on a reasonable permitting duration, and 3) allow FDEP to notify us of any special requirements that may be unique to this project. This will allow us to address any special requirements in the application so that they do not end up coming to us in the form of a RAI that would prolong the permitting process. The draft construction permit application will then be prepared and submitted to the City and HCE (within 21 days of the NTP) for review and comment. David McNabb will lead this task with internal review being provided by Sally Durall. The draft construction permit application will be reviewed by both Curtis Robinson and Harrison Barron/HCE as well as City staff. Upon receipt of review comments, David McNabb will finalize the application and submit the application to FDEP for processing. The goal will be to submit a complete application that will result in no RAIs from FDEP. If there is a RAI issued by FDEP, David McNabb will address general questions and questions related to the subsurface design and testing. Curtis Robinson will address questions related to the surface facilities of IW-2.

It will be necessary to request approval for an alternate design to allow the annulus of IW-2 to be fully cemented. David McNabb, with assistance from Sally Durall, will prepare and submit the request for alternate design. The FDEP processing of the request for alternate design will take place concurrent with the permit processing so it will not extend the permitting process.

The 60% design will begin as the permit application is being prepared so that we can include a drawing in the application that shows that the surface facilities will be equipped with instrumentation to measure and record flow rates and wellhead pressure. We will not need instrumentation for the annulus since the annulus will be cemented. Staff that will be involved with the 60%, 90% and 100% design will be David McNabb (subsurface design and testing program) assisted by Sally Durall, while Curtis Robinson and Harrison Barron will tackle the surface facilities design, and C&W Engineering will handle the electrical design including instrumentation and Supervisory Control and Data Acquisition (SCADA) system. David McNabb and Curtis Robinson will assist the City with Bid Phase Services, including preparing for and attending the Pre-Bid Conference, preparation of addenda, and evaluation of the bids.

The daily resident observation during construction and testing of IW-2 will be handled primarily by Sally Durall, serving as the resident observation manager, Mitchell Jennings and Aaron Doyka. This team demonstrated flexibility at the Hollywood injection well construction site when one of the team members came down with Covid-19 and could not work. When that happened, the team adapted without any delays. For this project we also have Harrison Barron, who will serve as backup if needed during the well construction. Mr. Barron is experienced with injection well construction oversight and will also provide resident observation during construction of the surface facilities. C&W Engineering will

make site visits to ensure the electrical design is followed. David McNabb will also be available if needed for resident observation. David McNabb will prepare all communications to FDEP, including preparation of required weekly construction summaries and casing setting depth recommendations. Submittals will be processed by David McNabb (subsurface submittals) and Curtis Robinson and C&W Engineering (surface facilities submittals).

MHC has prepared testing forms and data sheets to ensure that critical data is not overlooked or missed during various tests performed during construction. All analysis of testing data is reviewed by David McNabb to ensure accuracy of the test analysis.

The IW-2 construction and testing report and O&M manual will be prepared by David McNabb with assistance from Sally Durall, and the draft report and O&M manual will be reviewed by Curtis Robinson prior to giving the draft report to the City for review and comment. Record drawings will be prepared by Curtis Robinson and C&W Engineers. The Request for Operational Testing will be prepared by David McNabb.

8. Work Breakdown Structure. This section should include, but is not limited to, special concerns or accommodations needed for a successful project.

Response. The request for proposals clearly lays out the scope of the project in a logical and straight-forward manner. Each of the tasks needed to successfully complete the project are defined in the request for proposals. These include obtaining an injection well construction permit, the design of the subsurface and surface facilities of the injection well, bid phase services, services during construction including communications with FDEP during construction, the preparation of a construction and testing report, Record Drawings, and an Operations & Maintenance Manual, and the preparation and submittal of a Request for Operational Testing.

The project will begin with a kick-off meeting held within 5 days of the issuance of the NTP. Information obtained during the kick-off meeting will help to guide the design of the surface facilities. MHC will also organize and facilitate a pre-application meeting with the FDEP to ensure that they are aware the application will soon be submitted to them and make them aware of the need to complete the project within 3 years of the City obtaining the bond for this project. MHC will prepare a draft permit application and distribute the draft application to the City's project manager and HCE for review and comment within 21 days of the issuance of the Notice to Proceed. HCE will serve as the Engineer of Record for the permitting effort. Upon receipt of review comments, MHC will finalize and submit the application to the FDEP. Shortly after submitting the permit application to FDEP, MHC will prepare and submit to FDEP a Request for Alternate Design to allow the annular space between the final casing of IW-2 and the Fiberglass Reinforced Plastic (FRP) injection liner to be fully cemented from the base of the FRP liner to land surface during well construction. This will remove the possibility of developing an annular leak in the future.

The subsurface design and testing program to demonstrate the presence of effective confinement at the IW-2 location will be prepared by MHC and will use data collected during the construction of IW-1 to guide the subsurface design and testing program. For example, testing performed during construction of IW-1 demonstrated that the best confinement at the site is located between the depths of 2,010 feet and 2,890 feet. Therefore, core collection and packer testing will be focused on this interval during construction of IW-2. The subsurface design and testing program technical specifications will be included with

the permit application in order to address FDEP questions that would otherwise be asked in the form a Request for Additional Information (RAI) from FDEP. HCE will handle the design of the surface facilities and connection of the new injection well to existing reverse-osmosis (RO) concentrate piping. The surface facilities design will be at least in part guided by the existing IW-1 surface facilities design. The design will include 60%, 90% and 100% design phases. The design of the injection well will take place concurrent with the permitting process and will be completed months before the issuance of the construction permit. This will allow the City of obtain a construction contractor prior to the issuance of the final permit to save time.

MHC and HCE will share the bid phase service tasks, with each firm's project manager attending the pre-bid conference and reviewing and evaluating received bids. We can also prepare a list of experience requirements to include in the bid package to ensure that only qualified bidders submit a bid for the project if desired by the City.

Services during construction will primarily be handled by MHC with the exception of HCE and C&W Engineering handling processing of submittals related to the IW-2 surface facilities, observation of the installation of the surface facilities and also providing backup resident observation services when needed. MHC field staff (Sally Durall, Mitchell Jennings and Aaron Doyka) will provide the day-to-day resident observation services during subsurface well construction and testing. MHC field staff have provided resident observation services for over \$48 million of injection well construction in just the past 2 years. David McNabb/MHC will prepare all communication documents that will be submitted to FDEP (weekly construction summaries, intermediate and final casing setting depth recommendations).

HCE will prepare Record Drawings based on the actual well construction. MHC will prepare the construction and testing report and the Operations and Maintenance Manual with assistance from HCE. MHC will prepare the Request for Operational Testing for submittal to FDEP.

Please see the response to question 13 for a listing of potential concerns that should be addressed for the successful outcome of this project.

9. Value-added services. This term is used for non-core services, or, all services beyond the identified scope. Does the firm recommend any optional value-added services?

Response. As previously stated, the request for proposals clearly lays out the scope of the project in a logical and straight-forward manner. Each of the tasks needed to successfully complete the project are defined in the request for proposals. MHC typically includes operating permit services with an injection well construction project. Since we typically submit the operating permit application 6 months after beginning operational testing of the new well, it is efficient to simply include the operating permitting services with the design and construction oversight contract. We feel it is best to have the consultant that designed the injection well and provided the construction oversight to assist the City with the operating permit since no other consultant would be as familiar with the injection well.

10. Other Material. Please include any additional material that may assist the City in evaluating the proposals and approach to the project. Pre-printed advertisements, brochures, and promotional material may be attached as additional information, but shall not serve as a

substitute for a specific response. Attachment of brochures instead of the written response request will be grounds for disqualification or devaluation. A simple “yes” or “no” answer alone will not be acceptable unless clearly requested; an explanation shall be provided for each question/issue listed in this response outline. However, clarity and brevity of presentation, not length, will be favorably considered.

Response. MHC was established in 2006 to provide efficient and cost-effective Class I injection well system design, permitting, construction observation, reporting and testing consulting services. We specialize in Class I injection well projects with injection well projects making up 100% of our project work over the past 15 years. No other firm can make that statement. Another statement that only our team can make is that every injection well system that we designed and provided construction oversight for is operational and none have experienced fluid migration.

We have provided design, permitting, reporting and construction oversight services for over \$48,000,000 worth of injection well construction in just the past 2 years. We have been providing the City of Port St. Lucie with injection well consulting services since 2008; so, we know the City and its injection wells, and the City knows us and the quality of service we provide. It is for this reason that we were selected in 2018 to provide design, construction oversight, and reporting services for the then proposed injection well IW-2 at the Westport Wastewater Treatment Facility (the project was canceled after obtaining the IW-2 construction permit and completion of the well design when the plant expansion was cancelled).

11. Company Experience. Provide a list of at least 5 projects that your firm has done that is similar to this project.

Response. Please see the list below for the requested information. David McNabb served as the project manager for each of the listed projects with support staff assisting.

- A. City of Hollywood SRWWTP Injection Wells IW-3 and IW-4 and Dual-Zone Monitor Well MW-2 – This project included the design, permitting, construction oversight and reporting services for two Class I deep injection wells and one dual-zone monitor well. The injection wells have a total depth of 3,500 feet and the final casing of both wells is installed to a depth of 2,850 feet. The final casing of both injection wells is 36-inches in diameter and the FRP liner is a nominal 26-inches in diameter. The FRP liner of both wells is cemented from the base to land surface to ensure that there can be no annular leaks. This site had the challenge of there being injection of wastewater since 2003. This was dealt with by installing the final casing prior to penetrating the injection zone with the drill bit. The construction cost for this project is \$39.9 million. Construction took place on a 24/7 schedule and the contractor had 2 separate drill rigs working at the site to ensure the project is completed on time. Both injection wells have been completed and the monitor well is anticipated to be completed by the second week of November 2021. Each injection well will have a disposal capacity of 19.9 MGD and will be used for disposal of treated wastewater and RO concentrate. There are no other Class I injection wells in the state that have a larger diameter final casing.
- B. North Springs Improvement District Water Treatment Plant – This project included the design, permitting, construction oversight and reporting services for one Class I injection well and one dual-zone monitor well. The injection well is completed with a 16-inch

diameter final casing installed to a depth of 3,067 feet and a 10-inch diameter FRP injection liner installed to 3,065 feet. The well has a total depth of 3,500 feet. Construction of the injection well is completed, and the contractor is working to complete the dual-zone monitor well. This project is being constructed on a day-only schedule due to proximity to residential homes (the nearest home is approximately 50 feet from the injection well). Construction is anticipated to be finalized in February 2022. The injection well will be used for disposal of RO concentrate.

- C. Florida Power & Light Okeechobee Clean Energy Center Injection Well System – This project, teamed with HCE, included the design, permitting, construction oversight and reporting services for two Class I deep injection wells and one dual-zone monitor well. The injection wells have a total depth of 3,210 feet and the final casing of both wells is installed to a depth of approximately 2,235 feet. The final casing is 24-inches in diameter and the FRP liner is a nominal 18-inches in diameter. The injection well system was being constructed at the same time as the power plant was under construction and required extensive coordination to keep the various contractors out of each other's way. Each injection well has a disposal capacity of 9.6 MGD and the wells are used for disposal of industrial wastewater from the power generation process. Only one well is needed to meet the disposal needs of the facility and the second well serves as a back-up well in the case that one of the wells is out of service.
- D. Lake Worth Beach Utilities Water Treatment Plant Injection Well System – This project included design, permitting, construction oversight and reporting services for one Class I injection well and one dual-zone monitor well. The injection well is completed with a 20-inch diameter final casing installed to a depth of 2,858 feet and an 11.75-inch diameter FRP injection liner installed to 2,844 feet. The annular space between the final casing and the injection liner is cemented to ensure that there is no possibility of developing a leak.
- E. Florida Power & Light Turkey Point Clean Energy Center Injection Well System – This project, teamed with HCE, included the design, permitting, construction oversight and reporting services for one Class I deep injection well and one dual-zone monitor well. The injection well has a total depth of 3,230 feet and the final casing is installed to a depth of 2,985 feet. The final casing is 24-inches in diameter and the FRP liner is a nominal 18-inches in diameter. The injection well has a disposal capacity of 18.6 MGD and the well is used for disposal of industrial wastewater from the power generation process and hypersaline groundwater. The project included providing expert witness services when the permit was challenged by an outside group.
- F. Okeechobee Utility Authority Wastewater Treatment Plant Injection Well System – This project included construction oversight for one 24-inch diameter injection well and an associated dual-zone monitor well. The final casing was installed to a depth of 2,765 feet and the well has a total depth of 3,200 feet. The wells were constructed on a 24/7 schedule and the contractor had 2 drill rigs working on site at the same time to meet a tight construction schedule. The well is used for disposal of treated wastewater and has a permitted disposal capacity of 18.6 MGD.
- G. Florida Power & Light West County Clean Energy Center Injection Well System – This project, teamed with HCE, included the design, permitting, construction oversight and reporting services for two Class I deep injection wells and one dual-zone monitor well.

The injection wells have a total depth of 3,250 feet and the final casing of both wells is installed to a depth of approximately 2,780 feet. The final casing is 20-inches in diameter and the FRP liner is a nominal 16-inches in diameter. Each injection well has a disposal capacity of 7.29 MGD and the wells are used for disposal of industrial wastewater from the power generation process. Only one well is needed to meet the disposal needs of the facility and the second well serves as a back-up well in the case that one of the wells is out of service.

- H. Martin County Utilities Tropical Farms Injection Well System - This project included design, permitting, construction oversight and reporting services for two Class I injection wells and one dual-zone monitor well. The injection wells are completed with a 26-inch diameter final casing installed to a depth of 2,510 feet and an 18-inch diameter FRP injection liner installed to 2,500 feet. The wells are used for disposal of RO concentrate and treated wastewater.
- I. City of Key West Wastewater Treatment Facility Injection Well System – This project included the design, permitting, construction oversight and reporting services for two Class I deep injection wells and one dual-zone monitor well. The injection wells have a total depth of 3,000 feet and the final casing of both wells is installed to a depth of approximately 2,750 feet. The final casing is 24-inches in diameter. Each injection well has a disposal capacity of 18.6 MGD and the wells are used for disposal of treated wastewater.

12. Injection Well Tubing Issues. Injection well tubing failure has occurred in the utility systems department history. What will the firm do differently in design to ensure future rework is avoided?

Response. MHC is very familiar with the issues involving injection well tubing failure. The first one occurred at the JEA Water Treatment Plant IW-1 in July 2017 when there was a sudden loss of pressure in the fluid-filled annulus of the well. The City called in their go-to injection well consultant, MHC, to determine what was going on with the well. MHC recommended performance of a video survey of the well and an approximately 0.5-inch diameter hole (due to corrosion) in the steel injection tubing was discovered at a depth of 170 feet. This was a case of the well being designed (by others) with the wrong materials of construction. The City asked MHC to assist with the permitting, design, construction oversight and reporting for the repair of the well. The steel injection tubing was removed from the well and replaced with a FRP injection tubing and the tubing was then cemented from the base of the tubing to land surface, thus eliminating the fluid-filled annulus. The well was restored and passed the subsequent mechanical integrity testing. MHC will design the Prineville IW-2 well with a FRP injection tubing to avoid failure from corrosion. A photograph of the hole in the injection tubing after being removed from the well is shown on the next page.



The tubing failure due to corrosion at the JEA Water Treatment Plant IW-1.

The City had another concern regarding a leak in the fluid-filled annulus of Prineville Water Treatment Plant IW-1. The leak appeared in January of 2020 and once again the City called in their go-to injection well consultant, MHC. Operators at the Water Treatment Plant had noted that the fluid-filled annular system of the well was losing fluid. MHC developed a plan to investigate the severity of the leak. The plan called for the performance of a video survey of the well after pressurizing the annulus to approximately 160 psi. The goal was two-fold. First, the increased pressure would improve the likelihood of detecting the leak, which was expected to be at the seal between the final casing and the injection liner (at the base of the liner) and second, allowed for performance of a pressure test of the annular system. The pressure test demonstrated that the well was losing less than 5% of the pressure over a 1-hour period and would therefore pass the FDEP's strict pressure testing requirements. MHC advised the City to continue monitoring the rate of fluid loss and that the hole may seal up on its own. The leak of fluids did ultimately cease, but it could re-appear in the future. The lesson from this experience is to not have a fluid-filled annulus and instead cement the FRP liner in place from the base of the liner to land surface. MHC will design the Prineville IW-2 well with a fully cemented annulus.

13. Project Risks/Opportunities for Improvement. Identify overall risks that can impact the project. List opportunities and threats both in internal and external conditions to the project that may result in delays, cost overrun, and performance shortfall.

Response. While this is a very important project, it is not an overly complex project. That said, there are several items that could result in delays and ultimately poor results. First there is the longest portion of the project – obtaining the construction permit to allow construction of IW-2. Unfortunately, the permitting process is primarily an FDEP task. In order to minimize the permitting duration our team will organize and conduct a pre-application meeting with the City and FDEP. The pre-application meeting will have several goals. First, it will provide FDEP with a courtesy heads-up that we will be submitting a construction permit application. Second, it will allow FDEP to express any concerns or issues they may have regarding submittal of the application. This will allow us to address these concerns in the application rather than having FDEP express their concerns in the form of a RAI, which results in a delay of getting the construction permit in hand. The third goal of the pre-application meeting is to make it clear to FDEP that this project is being funded by a bond requiring that the project be completed within 3 years of the issuance of the bond. It is important to make FDEP aware of this so that they will not allow the permit application to linger in the permitting process as tends to happen with many applications. Our team will work to get a draft construction permit application submitted to the City within 21 days of the issuance of the NTP. We will ask that the City provide review comments within 5 working days and will then organize a meeting with the City to discuss any review comments unless the review comments are very minor. We will then finalize the permit application within 5 working days and get the application submitted to FDEP. It will be our goal to provide a complete application so that FDEP will not need to issue an RAI and instead can begin preparing the permit after review of the application. That said, FDEP is currently taking about a full year to issue a construction permit. By communicating the need to complete the project within 3 years of the issuance of the bond that is funding this project, it is hopeful that 2 to 3 months will be removed from the permitting duration. Another way to save time is to complete the well design well ahead of the receipt of the construction permit. This will allow the City to bid the well construction work and have a contractor under contract as the permit is issued. The bid documents will require that construction be carried out on a 24-hour a day, 7 day a week basis to ensure a timely completion of the construction. Even on a 24/7 construction schedule, construction will take approximately 8 months to complete.

An additional threat to the success of this project is the possibility of allowing upward migration of previously injected RO concentrate during the construction process. Injection of RO concentrate has been taking place via injection well IW-1 since 2011. It is critical that precautions be in place to avoid upward migration of previously injected RO concentrate. Without the proper precautions, RO concentrate could move up a borehole created during the construction of IW-2 and ultimately impact dual-zone monitor well MW-1. This could result in the injection well system being shut down so this is an extremely important issue. Unlike municipal injection wells, which can address migration of injected wastewater by upgrades to the treatment plant, migration of RO concentrate cannot be addressed by treatment improvements. Our team will address this threat in a few different ways. First, our design will require that the intermediate casing of the injection well be installed to a depth that is below the base of the lower monitoring zone of MW-1. This will serve to isolate both monitor zones of MW-1 from fluids that could move up the IW-2 borehole during

construction. Second, our design will utilize the data from IW-1 construction to ensure that the injection zone is not penetrated until after the final casing of IW-2 has been installed. Typically, the well is drilled to the final depth prior to installing the final casing, however, we will use the data from the IW-1 construction to show that the top of the injection zone is located at a depth of 2,890 feet and install the final casing approximately 20 feet above this depth. This will serve to seal off the borehole before entering the injection zone, thus, greatly reducing the possibility of RO concentrate moving up the open borehole and ultimately impacting the monitor well.

Another potential threat to the long-term success of the project is the possibility of the development of a leak from the annular space between the final casing and the FRP injection liner. Our team's design will eliminate this possibility by cementing the annular space between the final casing and the FRP injection liner. This will require obtaining an approval from the FDEP for an alternate design rather than a fluid-filled annular space. This will be handled during the construction permitting process and will not result in a delay to the project.

Ensuring that each of the installed casings are properly cemented is critical to the success of this project. We do this by limiting how high the contractor can pressurize the casing that is being cemented in place, which minimizes casing expansion during cementing. FDEP has prevented the use of 2 newly constructed injection wells (constructed approximately 4 years ago) in Broward County due to poor cement jobs on casings that are allowing fluid to migrate from the Floridan Aquifer to land surface. This was not an MHC project.

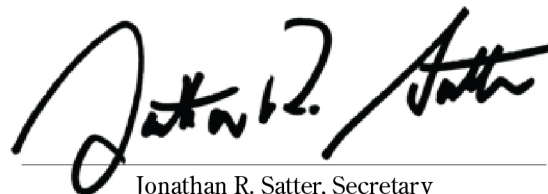
The last potential threat to the success of the project is ending up with an unqualified construction contractor. Given that IW-2 must be completed within 3 years of the City obtaining the bond for this project, we cannot afford to have an inexperienced construction contractor learning how to construct an injection well on this project. If desired, we can prepare a list of experience requirements that will eliminate inexperienced construction contractors. This technique was used recently and successfully for a Palm Beach County Water Utilities Department injection well construction project.

State of Florida

Woman & Minority Business Certification

Holtz Consulting Engineers, Inc.

Is certified under the provisions of
287 and 295.187, Florida Statutes, for a period from:
09/01/2020 to 09/01/2022



Jonathan R. Satter, Secretary
Florida Department of Management Services



4600 Military Trail, Suite 116
Jupiter, Florida 33458
Phone: 561-891-0763

MEMORANDUM

To: eRF Number 20210107 Selection Committee **Date:** September 23, 2021

From: David McNabb
McNabb Hydrogeologic Consulting, Inc.

RE: McNabb Hydrogeologic Consulting, Inc. Current Contracts

The following is a listing of McNabb Hydrogeologic Consulting, Inc. current projects:

- City of Hollywood SRWWTP Injection Wells IW-3 and IW-4 Design, Permitting and Construction Administration
- North Springs Improvement District Injection Well System Design, Permitting and Construction Administration
- Florida Power and Light Turkey Point Clean Water Recovery Center Injection Well System Design, Permitting and Construction Administration
- Port St. Lucie Glades WWTP Injection Well System Operating Permit Renewal
- Port St. Lucie JEA WTP Injection Well System Operating Permit Renewal
- Melbourne Joe Mullins WTP Injection Well System Design and Permitting (subconsultat to CDM Smith)
- Ft. Pierce Utilities Authority MWRF Single-Zone Monitor Well Design, Permitting and Construction Administration
- Ft. Pierce Utilities Authority MWRF Injection Well System Operating Permit Renewal
- Florida Power and Light Turkey Point IW-1 Mechanical Integrity Testing Professional Services
- Martin County Utilities North WWTP/WTP IW-1 Mechanical Integrity Testing Professional Services
- City of Hollywood SRWWTP Injection Wells IW-1 and IW-2 Rehabilitation
- Palm Beach County Water Utilities WTP 2 Design, Permitting and Construction Administration (teamed with Kimley Horne and JLA Geosciences)
- Palm Beach County Water Utilities Hydrogeologic Continuing Services (subconsultant to JLA Geosciences)



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TRUTH-IN-NEGOTIATION CERTIFICATE

Solicitation# 20210107

Pursuant to Section 287.055(5)(a), Florida Statutes, for any lump-sum or cost-plus-a-fixed fee professional services contract over the threshold amount provided in Section 287.017, Florida Statutes for CATEGORY FOUR, the City of Port St. Lucie, Florida requires the Consultant to execute this certificate and include it with the submittal of the Technical Proposal, or as prescribed in the contract advertisement.

The Consultant hereby certifies, covenants, and warrants that wage rates and other factual unit costs supporting the compensation for this project's agreement are accurate, complete, and current at the time of contracting.

The Consultant further agrees that the original agreement price and any additions thereto shall be adjusted to exclude any significant sums by which the City determines the agreement price was increased due to inaccurate, incomplete, or non-current wage rates and other factual unit costs. All such agreement adjustments shall be made within (1) year following the end of the contract. For purposes of this certificate, the end of the agreement shall be deemed to be the date of final billing or acceptance of the work by the City, whichever is later.

McNabb Hydrogeologic Consulting, Inc.

Name of Firm

David McNabb

President or Designee (Printed)

[Signature]
President or Designee (Signed)

The foregoing instrument was acknowledged before me by David McNabb (Name of County) Palm Beach who is personally known to me. WITNESS my hand and official seal in the _____, _____ last aforesaid this 22 day of October, 2021.

(SEAL)

Signature Philip Aneq

Notary Name (typed or printed)

[Signature]
Notary Name (signed)





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E-Verify Form

Supplier/Consultant acknowledges and agrees to the following:

1. Shall utilize the U.S. Department of Homeland Security's E-Verify system to verify the employment eligibility of all new employees hired by the Supplier/Consultant during the term of the contract; and
2. Shall expressly require any subcontractors performing work or providing services pursuant to the state contract to likewise utilize the U.S. Department of Homeland Security's E-Verify system to verify the employment eligibility of all new employees hired by the subcontractor during the contract term.

E-Verify Company Identification Number 1740410

Date of Authorization September 22, 2021

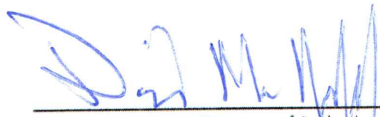
Name of Contractor McNabb Hydrogeologic Consulting, Inc.

Name of Project Design & Permitting of Class I Deep Injection Well at Prineville WTP

Solicitation Number (If Applicable) 20210107

I hereby declare under penalty of perjury that the foregoing is true and correct.

Executed on October, 2021 in Jupiter (city), FL. (state).



 Signature of Authorized Officer

David McNabb, President

 Printed Name and Title of Authorized Officer or Agent

SUBSCRIBED AND SWORN BEFORE ME

ON THIS THE 22 DAY OF October, 2021

NOTARY PUBLIC 

My Commission Expires: ~~11/11/2021~~ 8/25/2024



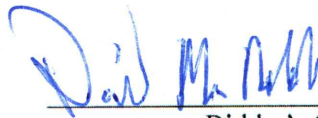
DRUG-FREE WORKPLACE FORM
eRFP # 20210107
Design & Permitting of Class I Deep Injection Well at Prineville WTP

The undersigned Contractor in accordance with Florida Statute 287.087 hereby certifies that

McNabb Hydrogeologic Consulting, Inc. does:
(Name of Business)

1. Publish a statement notifying employees that the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance is prohibited in the workplace and specifying the actions that will be taken against employees for violations of such prohibition.
2. Inform employees about the dangers of drug abuse in the workplace, the business's policy of maintaining a drug-free workplace, any available drug counseling, rehabilitation, and employee assistance programs, and the penalties that may be imposed upon employees for drug abuse violations.
3. Give each employee engaged in providing the commodities or contractual services that are under proposal a copy of the statement specified in subsection (1).
4. In the statement specified in subsection (1), notify the employees that, as a condition of working on the commodities or contractual services that are under proposal, the employee will abide by the terms of the statement and will notify the employer of any conviction of, or plea of guilty or nolo contendere to, any violation of Chapter 893 Florida Statutes or of any controlled substance law of the United States or any state, for a violation occurring in the workplace no later than five (5) days after such conviction.
5. Impose a sanction on, or require the satisfactory participation in a drug abuse assistance or rehabilitation program if such is available in the employee's community, by any employee who is so convicted.
6. Make a good faith effort to continue to maintain a drug-free workplace through implementation of this section.

As the person authorized to sign the statement, I certify that this firm complies fully with the above requirements.



Bidder's Signature

__September 22, 2021_____
Date:



SUPPLIER LOCATION CERTIFICATION
PSL Location Form

The undersigned, as a duly authorized representative of the Supplier listed herein, certifies to the best of their knowledge and belief, that the Supplier's location is correctly reflected based upon the below information. For purposes of this section, "Location" shall mean a business which:

- a) How far is the Supplier's fixed office or distribution point located from City Hall; and
- b) Is the principal offeror who is a single offeror; a business which is the prime contractor and not a subcontractor; or a partner or joint venturer submitting an offer in conjunction with other businesses.

Complete the following and upload this document and the Google Maps print out to the required sourcing platform:

Business Name: McNabb Hydrogeologic Consulting, Inc.	
Current Local Address: 4600 Military Trail, Suite 116, Jupiter, Florida 33458 Length of time at this address: 8 years	Phone: 561-891-0763 Fax: none
Please provide your prior business address if the above address has been for less than one (1) year, prior to the issuance of this solicitation. Length of time at this address:	
Home Office Address: 4600 Military Trail, Suite 116, Jupiter, Florida 33458 Length of time at this address: 8 years	Phone: Fax:

(Signed) David McNabb

(Title) President

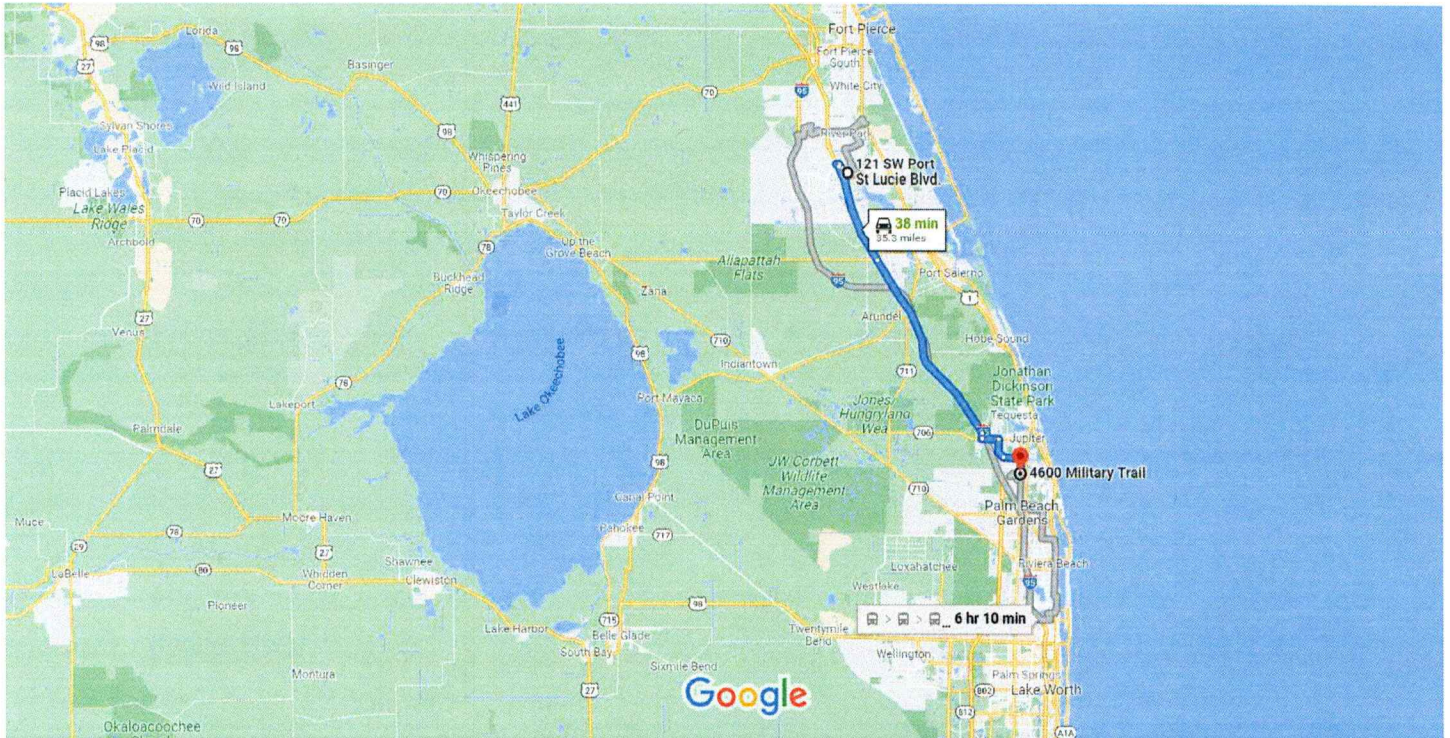
STATE OF FLORIDA }
COUNTY OF ST. LUCIE} SS:

The foregoing instrument was acknowledged before me this (Date) 10/22/2022


by: David McNabb who is personally known to me or who has produced
a driver's license as identification and who did (did not) take an oath.

Philip Aneq Commission No. HH29248
Notary (print & sign name)










Map data ©2021 Google 5 mi

 **via Florida's Turnpike** **38 min**
 Fastest route, the usual traffic 35.3 miles
 ⚠️ This route has tolls.

 **12:21 PM–6:31 PM** **6 hr 10 min**
 🚶 > 🚌 **Route 6** > 🚌 **Route 6** > 🚶 > 🚌
 "Greyhound" > 🚌 **1** > 🚌 **10**

Explore 4600 Military Trail

- 
Restaurants
- 
Hotels
- 
Gas stations
- 
Parking Lots
- 
More

Cone of Silence Form



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NOTICE TO ALL PROPOSERS:

To ensure fair consideration is given for all Proposers, it must be clearly understood that upon release of the proposal and during the proposal process, firms and their employees of related companies as well as paid or unpaid personnel acting on their behalf shall not contact or participate in any type of contact with City employees, department heads or elected officials, up to and including the Mayor and City Council. The **"Cone of Silence"** is in effect for this solicitation from the date the solicitation is advertised on DemandStar, until the time an award decision has been approved by City Council and fully executed by all parties. Information about the Cone of Silence can be found under the [City of Port St. Lucie Ordinance 20-15, Section 35.13](#). Contact with anyone other than the Issuing Officer may result in the vendor being disqualified. All contact must be coordinated through Mr. Jason Bezak, Issuing Officer, for the procurement of these services.

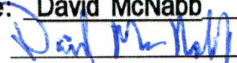
All questions regarding this Solicitation are to be submitted in writing to Jason Bezak, Procurement Agent I with the Procurement Management Department via e-mail JBezak@cityofpsl.com, or by phone 772-344-4068. Please reference the Solicitation number on all correspondence to the City.

All questions, comments and requests for clarification must reference the Solicitation number on all correspondence to the City. Any oral communications shall be considered unofficial and non-binding.

Only written responses to written communication shall be considered official and binding upon the City. The City reserves the right, at its sole discretion, to determine appropriate and adequate responses to the written comments, questions, and requests for clarification.

*NOTE: All addendums and/or any other correspondence before bid close date (general information, question and responses) to this solicitation will be made available exclusively through the [DemandStar's Website](#) for retrieval. All notice of intent to award documentation will be published on the [City Clerk's Website](#). Proposers are solely responsible for frequently checking these websites for updates to this solicitation.

I understand and shall fully comply with all requirements of City of Port. St. Lucie Ordinance 20-15, Section 35.13.

Typed Name: David McNabb
Signed: 
Company and Job Title: McNabb Hydrogeologic Consulting, Inc., President
Date: September 22, 2021



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eRFP #20210107
CONSULTANT'S CODE OF ETHICS

The City of Port St Lucie ("City), through its Procurement Management Department ("Procurement Management Department") is committed to a procurement process that fosters fair and open competition, is conducted under the highest ethical standards and enjoys the complete confidence of the public. To achieve these purposes, Procurement Management Department requires each vendor who seeks to do business with the City to subscribe to this Consultant's Code of Ethics.

- ◆ A Consultant's bid or proposal will be competitive, consistent and appropriate to the bid documents.
- ◆ A Consultant will not discuss or consult with other Vendors intending to bid on the same contract or similar City contract for the purpose of limiting competition. A Vendor will not make any attempt to induce any individual or entity to submit or not submit a bid or proposal.
- ◆ Consultant will not disclose the terms of its bids or proposal, directly or indirectly, to any other competing Vendor prior to the bid or proposal closing date.
- ◆ Consultant will completely perform any contract awarded to it at the contracted price pursuant to the terms set forth in the contract.
- ◆ Consultant will submit timely, accurate and appropriate invoices for goods and/or services actually performed under the contract.
- ◆ Consultant will not offer or give any gift, item or service of value, directly or indirectly, to a City employee, City official, employee family member or other vendor contracted by the City.
- ◆ Consultant will not cause, influence or attempt to cause or influence, any City employee or City Official, which might tend to impair his/her objectivity or independence of judgment; or to use, or attempt to use, his/her official position to secure any unwarranted privileges or advantages for that Vendor or for any other person.
- ◆ Consultant will disclose to the City any direct or indirect personal interests a City employee or City official holds as it relates to a Vendor contracted by the City.
- ◆ Consultant must comply with all applicable laws, codes or regulations of the countries, states and

localities in which they operate. This includes, but is not limited to, laws and regulations relating to environmental, occupational health and safety, and labor practices. In addition, Consultant must require their suppliers (including temporary labor agencies) to do the same. Consultant must conform their practices to any published standards for their industry. Compliance with laws, regulations and practices include, but are not limited to the following:

- Obtaining and maintaining all required environmental permits. Further, Consultant will endeavor to minimize natural resource consumption through conservation, recycling and substitution methods.
- Providing workers with a safe working environment, which includes identifying and evaluating workplace risks and establishing processes for which employee can report health and safety incidents, as well as providing adequate safety training.
- Providing workers with an environment free of discrimination, harassment and abuse, which includes establishing a written anti-discrimination and anti-bullying/harassment policy, as well as clearly noticed policies pertaining to forced labor, child labor, wage and hours, and freedom of association.

Name of Organization/Proposer McNabb Hydrogeologic Consulting, Inc.

Signature 

Printed Name and Title David McNabb, President

Date September 22, 2021

DISCLAIMER: This Code of Ethics is intended as a reference and procedural guide to contractors. The information it contains should not be interpreted to supersede any law or regulation, nor does it supersede the applicable contractor contract. In the case of any discrepancies between it and the law, regulation(s) and/or contractor contract, the law, regulatory provision(s) and/or vendor contract shall prevail.

Non-Collusion Affidavit



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NON-COLLUSION AFFIDAVIT

**Solicitation # 20210107
Design & Permitting of Class I Deep Injection
Well at Prineville WTP**

State of Florida

County of Palm Beach } David McNabb

being first duly sworn, disposes and says that:

(Name/s)

1. They are President of McNabb Hydrogeologic Consulting, Inc. the Proposer that
(Title) (Name of Company)

has submitted the attached PROPOSAL;

2. He is fully informed respecting the preparation and contents of the attached proposal and of all pertinent circumstances respecting such PROPOSAL;

3. Such Proposal is genuine and is not a collusive or sham Proposal;

4. Neither the said Proposer nor any of its officers, partners, owners, agents, representatives, employees or parties in interest, including this affiant, has in any way colluded, conspired, connived or agreed, directly or indirectly with any other Proposer, firm or person to submit a collusive or sham Proposal in connection with the contract for which the attached proposal has been submitted or to refrain from proposing in connection with such Contract or has in any manner, directly or indirectly, sought by agreement or collusion or communication or conference with any other Proposer, firm or person to fix the price or prices in the attached Proposal or of any other Proposer, or to secure through any collusion, conspiracy, connivance or unlawful agreement any advantage against the City of Port St. Lucie or any person interested in the proposed Contract; and

5. The price or prices quoted in the attached Proposal are fair and proper and are not tainted by any collusion, conspiracy, connivance or unlawful agreement on the part of the Proposer or any of its agents, representatives, owners, employees, or parties in interest, including this affiant.

(Signed) 

(Title) President



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STATE OF FLORIDA }
COUNTY OF ST. LUCIE } SS:

The foregoing instrument was acknowledged before me this (Date) 10/22/2021

by: David McNabb who is personally known to me or who has produced

driver's license as identification and who did (did not) take an oath.

Commission No. HH29248

Notary Print: Philip Aney

Notary Signature: [Handwritten Signature]





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Consultant's General Information Worksheet/ Questionnaire
eRFP # 20210107

Solicitation Name: Design & Permitting of Class I Deep Injection Well at Prineville WTP

It is understood and agreed that the following information is to be used by the City of Port St. Lucie to determine the qualifications of Contractors to perform the work required. The Contractor waives any claim against the City that might arise with respect to any decision concerning the qualifications of the Consultant.

The undersigned attests to the truth and accuracy of all statements made on this questionnaire. Also, the undersigned hereby authorizes any public official, Consultant, surety, bank material or equipment manufacturer, or distributor, or any person, firm, or corporation to furnish the City of Port St. Lucie any pertinent information requested by the City deemed necessary to vary the information on this questionnaire.

1. **ORGANIZATIONAL PROFILE**- COMPANY NAME: McNabb Hydrogeologic Consulting, Inc.

PHYSICAL ADDRESS: 4600 Military Trail, Suite 116, Jupiter, Florida 33458

MAILING ADDRESS: 4600 Military Trail, Suite 116, Jupiter, Florida 33458

TELEPHONE NUMBER: 561-891-0763

FAX NO. do not have a fax machine

CONTACT PERSON David McNabb

E-MAIL : david@mcnabbhydroconsult.com

Is the firm incorporated? Yes--No If yes, in what state? Provide a list of officers for this entity.

2. **COMPLETION OF FORM** - An authorized representative of the firm offering this Proposal must complete this form in its entirety. Terms entered herein shall not be subject to withdrawal or escalation by Contractor. The City reserves the right to hold proposals for a period not to exceed one hundred twenty (120) calendar days after the date of the proposal opening stated in the Invitation to Proposal before awarding the Contract. Contract award constitutes the date that City issues an executed Purchase Order.

3. **CONTRACT** - Contractor agrees to comply with all requirements stated in the specifications for this RFP.

4. **AGREEMENT** - Contractor agrees to comply with all requirements stated in the specifications for this RFP.

CERTIFICATION:

This RFP is submitted by: Name (print) David McNabb who is an officer of the above firm duly authorized to sign proposals and enter into contracts. I certify that this solicitation



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response is made without prior understanding, agreement, or connection with any corporation, firm, or person submitting a proposal for the same materials, supplies, or equipment, and is in all respects fair and without collusion or fraud.

The Contractor understands that information contained in this Solicitation Reply will be relied upon by City in awarding the proposed Contract and such information is warranted by the proposer to be true. The undersigned Contractor agrees to furnish such additional information, prior to acceptance of any solicitation relating to the qualifications of the proposer, as may be required by the City.

I certify that the information and responses provided on this Solicitation are true, accurate and complete. The City may contact any entity or reference listed in this Proposal. Each entity or reference may make any information concerning the Contractor available to the City.

I agree to abide by all conditions of this RFP:

David McNabb

Signature

President

Title

If a corporation renders this Proposal, the corporate seal attested by the secretary shall be affixed below. Any agent signing this Proposal shall attach to this form evidence of legal authority.

Witnesses:

Caitlin McNabb

Print name

Caitlin McNabb

Caroline McNabb

Print name

Caroline McNabb

If Individual:

Signature

Print Name

If Partnership:

Print Name of Firm

By:

(General Partner)

If Corporation:

McNabb Hydrogeologic Consulting, Inc.

Print Name of Corporation

By: David McNabb

(President)

Attest: David McNabb

(Secretary)

