

**DEPARTMENT OF CONSERVATION and NATURAL RESOURCES
STATEMENT OF WORK**

**Water Well Investigation
Sinnemahoning State Park, Cameron County, Pennsylvania**

I. SCOPE OF WORK:

The Department of Conservation and Natural Resources (DCNR), Sinnemahoning State Park, requires a contractor to provide materials, equipment, and labor to investigate the water well which supplies raw water to the Sinnemahoning State Park Wildlife Center in Cameron County, Pennsylvania.

The investigations are sought after in hopes of isolating and determining which of the three known aquifers supplying the well is contributing undesirable water conditions to the combined well water source.

Questions regarding the technical aspects of this bid should be directed to Jim O'Shell, Environmental Engineer, at 717-783-3326 or by email at joshell@pa.gov. Questions regarding the bidding or contractual aspects of this bid should be directed to Carol Durham at 717-783-3309 or by email at cdurham@pa.gov. All work on site shall be coordinated with Tracy Zupich, Park Manager, at 814-647-8401 or by email at tzupich@pa.gov.

II. CONTRACT TASKS:

The existing well has an estimated total yield of 120+ gallons per minute (20 gpm @ 80', 80 gpm @ 90', and 20 gpm @ 110') 120' well depth and 23' static water level. The 6" diameter well casing is set at a depth of 60' and encased in Portland cement grout. The yield test at the time of well construction was performed at 20 gpm, corresponding with a more than adequate supply; therefore, any one of the three aquifers alone can supply adequate yield to supply the needs of the Wildlife Center. Contaminants plaguing the well include hardness, iron, manganese, chloride, sodium, methane, and total dissolved solids, rendering the existing water conditions corrosive. The goal of this work is to determine if an individual water-bearing zone is responsible for contaminating the rest of the well with undesirable water conditions. If the undesirable water conditions can be traced to an individual water-bearing zone, the likelihood of sealing off one or two of the known aquifers will then need to be determined. It is desired to isolate the source of the problem if possible and determine the feasibility of eliminating the cause as opposed to continually treating the symptoms.

Specific Tasks - Investigative work shall include:

- Performing a survey of the existing well conditions with a down hole camera and providing a video recording.
- Temporarily packing off individual water-bearing zones.

- Pumping monitoring and recording field-measurable parameters, from each of the isolated water bearing zones, such as pH, temperature, electrical conductivity (EC), alkalinity, turbidity, etc.
- Pulling samples for laboratory analysis from each of the isolated water-bearing zones until said parameter results have stabilized.
- Submitting samples to a DEP-accredited laboratory for analysis of inorganic compounds, secondary compounds, and methane concentration.

Deliverables

- Written report should be hard copy detailing findings as detailed in Contact Tasks above.
- Field Measurable parameters are to be reported on a standard well driller log and is to be incorporated into an overall bound report to include the laboratory analysis received.
- An electronic copy of video recording of the well which is to be submitted on CD or thumb drive. Video recording must be in a .mov or mpeg format.

III. CONTRACTOR REFERENCES:

After bid opening, and prior to awarding of the contract, the Department has the right to request references (names, addresses, and telephone numbers) of similar investigative well work during the previous two (2) years as proof of qualifications to perform the work involved in this contract.

References are an optional tool available to the Department to help determine bidder capabilities. If any of these references are requested and the bidder cannot supply the necessary documentation and proof of compliance, the Department reserves the right to reject the bidder. The decision to both request references or reject bidders based on inadequate reference will be made solely at the discretion of the Department.

VI. CONTRACTOR REQUIREMENTS:

Contractor agrees to comply with all attachments to this contract as referenced on the IFB-Invitation for Bids document.

V. INSURANCE REQUIREMENTS:

The contractor shall purchase and maintain, at its expense, the following types of insurance, issued by companies acceptable to the Commonwealth.

1. Workmen's Compensation Insurance for all of the Contractor's employees and those of any subcontractor, engaged in work at the site of the project as required by law.

2. Public Liability and Property Damage Insurance to protect the Commonwealth, the Contractor, and any and all subcontractors from claims for damages for personal injury (including bodily injury), sickness or disease, accidental death and damage to property including the loss of use resulting from any property damage, which may arise from the activities performed under the Contract, or the failure to perform under the Contract, whether such performance or non-performance be by the Contractor, by any subcontractor, or by anyone directly or indirectly employed by either. The minimum amounts of coverage shall be \$250,000 per person and \$1,000,000 per occurrence for bodily injury, including death, and \$250,000 per person and \$1,000,000 per occurrence for property damage. Such policies shall be occurrence rather than claims-made policies and shall not contain any endorsements or any other form designated to limit and restrict any action by the Commonwealth, as an additional insured, against the insurance coverage in regard to work performed for the Commonwealth.

Prior to commencement of the work under the Contract and at each insurance renewal date during the term of the Contract, the Contractor shall provide the Commonwealth with current certificates of insurance. These certificates or policies shall name "The Commonwealth of PA-DCNR" as an additional insured and shall contain a provision that the coverage's afforded under the policies will not be cancelled or changed until at least thirty (30) days written notice has been given to the Commonwealth. These certificates shall include the location and a brief description of the work to be performed under the contract.

The Commonwealth shall be under no obligation to obtain such certificates from the Contractor(s). Failure by the Commonwealth to obtain the certificates shall not be deemed a waiver of the Contractor's obligation to obtain and furnish certificates. The Commonwealth shall have the right to inspect the original insurance policies.

VI. SITE VISIT:

A site visit is not required but is strongly recommended prior to bid opening so that the contractor can acquaint their self with the work to be done. Please contact Tracy Zupich, Monday through Friday, between the hours of 8:00 am and 4:00 pm at 814-647-8401 or by emailing tzupich@pa.gov to make arrangements.

VII. CONTRACT TERM:

The contract shall commence upon execution and receipt of Purchase Order and terminate upon satisfactory completion of the contract tasks, but not to exceed February 28, 2020.

VIII. BID AWARD:

Bidder must complete and return the following:

1. The electronic Invitation for Bid to be found at www.pasupplierportal.state.pa.us

2. A properly executed Reciprocal Limitations Act form that lists the state of manufacture for any supplies procured.

The unit price shall include all labor, materials, equipment, tools, insurance, and all items necessary for complete investigation of the well.

Bid will be awarded based on the lowest total sum of the bid.

The contract quantities herein are estimated only and may increase or decrease depending on the needs of the Department. The vendor shall be paid at the unit price bid for actual work performed.

Please note that the Department will only accept out to two (2) decimal points when entering your pricing.

IX. PAYMENT TERMS:

Payment shall be made on a reimbursement basis for satisfactory completion of the well investigation.

X. RECEIPT AND OPENING OF BIDS:

Bids will be submitted via the PA Supplier Portal, to be found at www.pasupplierportal.state.pa.us. Faxed, emailed, or mailed bids will not be accepted.

No responsibility will be attached to any employee of the Department for the premature opening of, or the failure to open, a bid for any reason whatsoever.

XI. INVOICES:

All invoices for this contract **MUST** either be:

1. Emailed to – 69180@pa.gov – for a paperless email invoice option
For information on the Commonwealth's E-Invoicing Program, visit:
<http://www.budget.pa.gov/Programs/Pages/E-Invoicing.aspx>
2. Mailed to -

Commonwealth of Pennsylvania
PO Invoices
P.O. Box 69180
Harrisburg, PA 17106

All invoices must have the Purchase Order Number, as well as your SAP Vendor Number, on the invoice. The name and address listed on the purchase order must also be listed on each invoice. Failure to provide this could result in a delay of your payment.

Please Note: Vendors are reminded to **NOT** include employer identification numbers, Social Security Numbers, bank account information, or other personally identifiable information on their invoices. That information is uniquely tied to your SAP Vendor Number and, for security purposes, should not be explicitly stated on an invoice.

XIII. BID RESULTS:

Bidder can obtain results by accessing <http://www.emarketplace.state.pa.us/BidTabs.aspx>. The bids will be posted within three (3) business days following the bid opening. The results are the apparent bidders, and all bids are under review until final award of the Purchase Order.