

## Attachment B – Specifications

### Emerging Contaminant Water Sample Collection Services for LDH/OPH

#### RFx #3000022591

This solicitation is to establish an agency term contract for the sample collection of emerging contaminants at Public Water Systems Statewide for the Louisiana Department of Health, Office of Public Health (LDH/OPH) Safe Drinking Water Program (SDWP). Emerging contaminants include *Naegleria fowleri* (Nf), Per- and polyfluoroalkyl substances (PFAS), and Cyanobacterial cyanotoxins. LDH is seeking a Contractor that will collect water samples for emerging contaminants (EC) at designated Public Water Systems (PWS) statewide and submit the samples to the certified laboratory specified by LDH. LDH will designate which public water systems will be sampled for the EC. EC sampling is based on specific targeting criteria for each EC. Sampling of the ECs will vary by water system and may or may not be done at the same time.

The Contractor shall collect water samples in accordance with LDH requirements and sampling procedures in Attachment C - Sample Collection Procedure; methods will vary by contaminant. The Contractor is not responsible for the cost of the sample analyses and sample containers/bottles. LDH will provide the sample containers/bottles to the Contractor. The Contractor is responsible for shipping samples to the certified laboratory specified by LDH. The certified laboratory may vary by contaminant. The Contractor is responsible for the shipment costs and for providing the shipment packaging (e.g., bubble wrap, ice, etc.) and shipping container (e.g., ice chest) for the samples.

The Contractor shall coordinate with LDH on the sampling locations and shall receive approval of sample locations prior to collecting the water samples. Sample locations will vary by contaminant and water system. The Contractor shall complete and sign a chain-of-custody (COC) for each sample event [one COC per PWS] and send the original signed COC to the laboratory with the samples. The Contractor shall provide a signed copy of the COC and the shipment tracking information to the LDH SDWP contact Sean Nolan, [Sean.Nolan@la.gov](mailto:Sean.Nolan@la.gov) (or his designee), within one business day of the sample event.

For *Naegleria fowleri* (Nf) sampling, the Contractor shall collect water samples by filtering water through an ultrafilter in accordance with the LDH Nf sampling procedure – see Attachment C – Sample Collection Procedures. Filtered volume shall be 10 Liters (2.64 gals) for raw water and 100 Liters (26.4 gals) for finished water. The time required to collect each filtered water sample can range from 45 to 60 minutes depending on the PWS's flowrate and pressure at the site. The Contractor shall collect at least five water samples (filtered samples) from each PWS identified by LDH for Nf sampling, unless otherwise instructed by LDH. Samples shall be collected from the raw water, treated water leaving the plant, and three locations within the distribution system that have low (i.e., <0.5 mg/L) to no chlorine levels. Each sampling event (per week) requires the collection of one matrix spike (MS) sample (90-L filtered sample and 10-L cubitainer) collected in parallel with a field sample at one of the sample locations. Immediately (same day) upon completion of sample collection, samples shall be adequately packaged to prevent breakage and shipped **overnight priority** to the laboratory specified by LDH. Nf samples shall be shipped to the designated laboratory located out of state (i.e., Florida). LDH typically identified 40 PWSs for Nf sampling each summer (~Three systems per week for ~15 field samples and one MS sample). Usually Nf sampling is only conducted during summer months (when water temperature

is greater than 20<sup>o</sup> Celsius starting in June). However, viable Nf detections may result in additional sampling after PWS has performed remediation.

The Contractor shall provide and use a validated pocket colorimeter to measure the chlorine residual (total and free chlorine) at each sample site during Nf sampling events and shall report the residuals on the COC. The Contractor is responsible for the procurement of sampling equipment and supplies (e.g., rubbing alcohol, filter connectors/tubing, flow meters, pens, sample bags, etc.). LDH will provide the sampling instructions, COCs, ultrafilters and sodium thiosulfate tubes. The Contractor shall not reuse upstream filter tubing/connectors/adapters for more than one site in a sampling event. The Contractor shall clean inlet filter equipment for each sampling event and ensure there is adequate inlet tubing and equipment for each sample site for each planned sample event.

For Per- and polyfluoroalkyl substances (PFAS) sampling, the Contractor shall collect water samples in accordance with the LDH PFAS sampling procedure (see Attachment C – Sample Collection Procedures) which requires using specific clothing, sample supplies (gloves, bags, regular ice, etc.), and sample bottles to prevent sample contamination. The Contractor shall collect samples from the raw water and/or treated water leaving the plant as specified by LDH. On the same day samples are collected, samples shall be adequately packaged on ice and shipped **overnight priority** to a laboratory specified by LDH. LDH identifies PWSs for PFAS sampling based on PFAS occurrence or potential PFAS contamination near PWS facilities or associated watersheds. Sample events can occur anywhere in the State and are usually coordinated to collect multiple water systems in a single day. The estimated time required to collect water samples from each water system is approximately 30 to 60 minutes depending on the number and location of sample taps per system. PFAS samples shall be shipped to the designed laboratory located out of State (i.e., Florida).

For Cyanotoxins, the Contractor shall collect water samples as in accordance with the LDH Cyanotoxins sampling procedure (see Attachment C – Sample Collection Procedures). The Contractor shall collect samples from the treated water leaving the plant as specified by LDH. The estimated time required to collect water samples from each water system is approximately 30 minutes. Immediately (same day) upon completion of sample collection, samples shall be adequately packaged to prevent breakage and shipped **overnight priority** to the laboratory as directed by LDH. Typically cyanotoxin sampling is only conducted during summer months (May through October). Cyanotoxin samples shall be shipped to the designated Laboratory located out of the state (i.e., California).

The Contractor shall have prior experience with environmental water sampling. Experience in sampling at public water systems is preferred. The Contractor shall provide written documentation of prior sampling experience and one reference from a previous client in the bid package and/or within five business days upon request by OSP.

Bids for each line item are per water system **NOT** per sample. Quantities are estimates and may be adjusted due to laboratory capacity and/or at the discretion of LDH. Bids for each line item must include shipment **(overnight priority)** costs.

The following conditions, unless otherwise stated in the bid document, will apply to all orders:

Payment to the Contractor - payment for goods and/or services purchased by the State will only be made in accordance with the following conditions:

- Invoices must reference the State's purchase order number, the facility (PWS) name and reflect the quantity billed by purchase order line number. Invoices must be submitted on a per facility basis.

Invoice quantity is based on the number of water systems sampled.

- Bills of lading, packing slips, and/or other related shipping papers must reference the State's purchase order number and reflect the quantity shipped by purchase order line number.
- The State is not responsible for goods delivered or work done without a written order. No allowance for boxing or crating. Unauthorized quantities in excess of this order will be returned or held subject to shipper's order, expense and risk.
- The Contractor warrants that the goods or service to be furnished hereunder will be in full conformity with the specifications, drawing or sample and agrees that this warranty shall survive acceptance of the goods or service and that the Contractor will bear the cost of resampling the rejected goods or service.
- All rejected goods or services will be held at the Contractor's risk and expense, subject to the Contractor's prompt advice as to disposition. The State is not responsible for payment of collected samples that are rejected by the designated laboratory due to the Contractor's error including, but not limited to, not following the sampling, packaging, or shipping procedures contained in these specifications and Attachment C – Water Sample Collection Procedures.
- Sampling procedures and laboratories are subject to change at the sole discretion of the State.

**SPECIAL PAYMENT TERMS:**

Invoices shall be submitted monthly by the Contractor in the arrears for services provided in the prior calendar month or partial calendar month during the term. Invoices shall be accompanied by a detailed narrative specifying the times, dates and locations of sample pickup and location delivery, and shall be accompanied by copies of log sheets, bills of lading, packing slips etc. evidencing the completion of the deliverables outlined in the specifications. Said supporting documentation shall be sufficiently detailed to the reasonable satisfaction of LDH. Invoices and supporting documentation shall be due and received by LDH on the 15th day following the close of each calendar month or partial month as the case may be. Payment shall be remitted on a net 30 days basis measured from the timely submitted and properly documented invoice. Any deviation from the foregoing may result in delays in payment.