

REQUEST FOR PROPOSAL



FOR

**ANALYTICAL LABORATORY SERVICES FOR REGULATORY COMPLIANCE
SAMPLING FOR THE CITY OF BATON ROUGE/PARISH OF EAST BATON ROUGE
DEPARTMENT OF ENVIRONMENTAL SERVICES**

Solicitation No.: 2023-33-7710

RELEASE DATE: January 8, 2024

RFP OPENING DATE: February 15, 2024, at 11:00 AM

CITY OF BATON ROUGE | PARISH OF EAST BATON ROUGE
OFFICE OF THE MAYOR-PRESIDENT
DIVISION OF PURCHASING

KEY REMINDERS TO PROSPECTIVE PROPOSERS

- Read the solicitation in its entirety.
- Contact the designated purchasing official only.
- Take advantage of the question and answer period.
- Provide complete answers and descriptions.
- Review the RFP and your proposal before submitting.
- Submit your proposal on time, before the deadline.
- Retain the complete set of specifications and contract documents for your files.

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City of Baton Rouge, Parish of East Baton Rouge, Louisiana
Request for Proposal No 2023-33-7710
Analytical Laboratory Services for Regulatory Compliance Sampling for The City of
Baton Rouge/Parish of East Baton Rouge, Department of Environmental Services
January 8, 2024

1. Purpose

The purpose of this Request for Proposal (RFP) is to obtain competitive proposals as allowed by City-Parish governing statutes, ordinances, resolutions, and policies from bona fide, qualified proposers who are interested in providing operation and maintenance services for Analytical Laboratory Services for Regulatory Compliance Sampling for The City of Baton Rouge/Parish of East Baton Rouge, Department of Environmental Services.

2. General Instructions

Proposers **shall** submit proposals to the Purchasing Division, directed to the following:

Attention: Director of Purchasing
P.O. Box 1471
Baton Rouge, LA 70821

Proposers **shall** submit proposals no later than **February 15, 2024**. Proposals may also be delivered by hand to our physical address at the following location:

Purchasing Division
222 Saint Louis Street
8th Floor, Rm. 826
Baton Rouge, LA 70802

Proposers **shall** submit proposals between the hours of 8:00 AM and 5:00 PM, Monday through Friday, unless otherwise provided by a federal holiday, which then may be delivered by hand on the following business day, not later than February 15 2024, by 11:00 AM, local time. Proposals submitted for consideration should follow the format and order of presentation described below:

- One (1) signed hardcopy of the original proposal in a sealed envelope, marked [***Original***] **Analytical Laboratory Services for Regulatory Compliance Sampling for The City of Baton Rouge/Parish of East Baton Rouge, Department of Environmental Services**, five (5) additional hardcopies of the signed proposal in a sealed envelope, marked [***Copy***] **Analytical Laboratory Services for Regulatory Compliance Sampling for The City of Baton Rouge/Parish of East Baton Rouge, Department of Environmental Services**, one (1) digitally signed proposal on CD/USB drive in PDF format, marked **Analytical Laboratory Services for Regulatory Compliance Sampling for The City of Baton Rouge/Parish of East Baton Rouge, Department of Environmental Services**, and one (1) redacted copy of vendor's proposal.
- **Cover Letter** Containing summary of Proposer's ability to perform the services described in the RFP and confirms that Proposer is willing to perform those services and enter into a contract with the City-Parish. By signing the letter and/or the proposal, the proposer certifies compliance with the signature authority required in accordance with Louisiana law. The person signing the proposal must be:
 - a. A current corporate officer, partnership member, or other individual specifically authorized to submit a proposal as reflected in the appropriate records on file with the secretary of state; or

- b. An individual authorized to bind the company as reflected by a corporate resolution, certificate or affidavit; or
- c. Other documents indicating authority which are acceptable to the public entity.

Proposers should exhibit their understanding and approach to the project and address how each element will be accomplished.

The cover letter should also:

- Identify the submitting Proposer;
 - Identify the name, title, address, telephone number, fax number, and email address of each person authorized by the Proposer to contractually obligate the Proposer;
 - Identify the name, address, telephone number, fax number, and email address of the contact person for technical and contractual clarifications throughout the evaluation period.
- **Table of Contents:** Organized in the order cited in the format contained herein.
 - Executive Summary
 - Company Information
 - Laboratory Certifications/Accreditations
 - Quality Assurance Plan
 - Standard Operating Procedures
 - Quality Assurance Data
 - Proficiency Test Data
 - Resumes of key personnel indicating their educational and experience level with current analytical equipment
 - Inventory of laboratory instrumentation, including age of the instruments and maintenance records
 - References/Experience
 - Price for Services
 - Company Ethics Compliance

Proposers should ensure to notate clearly the name of the Proposer, the number, and the title of the RFP. This information is critical to the Purchasing Division to identify proposals.

Proposers should clearly demonstrate the applicant's qualifications and experiences to perform the **Analytical Laboratory Services for Regulatory Compliance Sampling for The City of Baton Rouge/Parish of East Baton Rouge, Department of Environmental Services** and attend all factors applicable in a professional relationship.

Proposers **shall** familiarize themselves with and **shall** comply with all applicable Federal and State Laws, parish/municipal ordinances, resolutions, and the rules and regulations of all authorities having jurisdiction over the solicitation.

These laws and/or ordinances will be deemed to be included in the contract, the same as though herein written in full.

Proposers should include detailed resumes or curricula vitae for the principals performing the services.

Copies of the solicitation and related information are available from the City-Parish's Purchasing Division and the state's Procurement and Contract Network website, LaPAC, at <https://wwwcfprd.doa.louisiana.gov/osp/lapac/pubmain.cfm>.

The City-Parish has elected to use LaPAC, the state's online electronic bid posting and notification system, in addition to its standard means of advertising this requirement. LaPAC is resident on State Purchasing's

website at <https://wwwcfprd.doa.louisiana.gov/osp/lapac/dspBid.cfm?search=department&term=102> and is available for vendor self-enrollment.

In that LaPAC provides an immediate e-mail notification to subscribing bidders that a solicitation and any subsequent addenda have been let and posted, notice and receipt thereof is considered formally given as of their respective dates of posting. Though not required if receiving solicitation and addenda notices from LaPAC, the City-Parish will mail addenda to all vendors contacting our office and requesting to be put on our office Vendor Listing for this solicitation.

3. Receipt of Proposals

All proposals **shall** be received by Purchasing no later than the date and time shown in the Schedule of Events.

Important: Clearly identify submission on the outside of envelope, box or package with the following information and format:

Proposal Name: ANALYTICAL LABORATORY SERVICES FOR REGULATORY COMPLIANCE SAMPLING FOR THE CITY OF BATON ROUGE/PARISH OF EAST BATON ROUGE DEPARTMENT OF ENVIRONMENTAL SERVICES

Solicitation No.: 2023-33-7710

Proposal Opening Date & Time: February 15, 2024 at 11:00 AM CST

Proposers are hereby advised that the U. S. Postal Service does not make deliveries to our physical location.

Proposals may be delivered by hand or courier service to our physical location at:

**City of Baton Rouge/Parish of East Baton Rouge
Purchasing Division
222 St. Louis Street, Rm. 826
Baton Rouge, LA 70802**

Proposer is solely responsible for ensuring that its courier service provider makes inside deliveries to our physical location. Purchasing is not responsible for any delays caused by the Proposer’s chosen means of proposal delivery.

Proposer is solely responsible for the timely delivery of its proposal. Failure to meet the proposal opening date and time **shall result in rejection of the proposal.**

PROPOSALS **SHALL BE OPENED PUBLICLY AND ONLY PROPOSERS SUBMITTING PROPOSALS **SHALL** BE IDENTIFIED ALOUD. PRICES SHALL NOT BE READ.**

4. Schedule of Events

<i>Item</i>	<i>Anticipated Schedule</i>
<i>RFP Issued</i>	January 8, 2024
<i>Pre-Proposal Conference</i>	January 26, 2024 1PM CST
<i>Deadline to Receive Written Inquiries</i>	February 1, 2024 at 5:00 PM CST
<i>Deadline to Answer Written Inquiries</i>	February 8, 2024
<i>Proposal Submission Deadline</i>	February 15, 2024 at 11:00 AM CST
<i>Oral Discussions with Proposers (if needed)</i>	To be determined
<i>Notice of Intent to Award</i>	April 1, 2024
<i>Contract Initiation</i>	To be determined

The City-Parish reserves the right to deviate from these dates.

If the City-Parish identifies a likely service provider, it may negotiate a final agreement with the provider and fix the relationship by professional services agreement. The contract will contain the standard City-Parish provisions shown in “Attachment D” for **Analytical Laboratory Services for Regulatory Compliance Sampling for The City of Baton Rouge/Parish of East Baton Rouge, Department of Environmental Services** and the proposal forms shown in “Attachment B” and “Attachment B-1.”

In case a pre-proposal conference is not held, the City-Parish will initiate a Proposer Inquiry period for all interested Proposers to perform a procedural review of the proposal documents.

Proposer Inquiry

Proposers **shall** submit ONLY written questions related to the proposal not later than **5:00 PM on February 1, 2024**, to:

Lori Foreman
Purchasing Division
P.O. Box 1471
Baton Rouge, LA 70821
Email: 337710analytlabservs@brla.com

Proposers are hereby advised that the U. S. Postal Service does not make deliveries to our physical location.

By responding to this RFP, the Proposer agrees to the City-Parish’s required Contract Terms and Conditions as provided in “Attachment D” and therefore waives any future right to contest the required provisions.

5. Intent

The intent of this Request for Proposal (RFP) is to obtain competitive proposals as allowed by the City-Parish governing statutes, ordinances, resolutions and policies from bona fide, qualified proposers who are interested in providing analytical laboratory services for regulatory compliance sampling in association with the North Wastewater Treatment Plant, the South Wastewater Treatment Plant, the North Landfill, Satellite Wastewater Package Plants, the Industrial Pretreatment Program, and the Municipal Separate Storm Sewer System Program as governed by regulatory permits.

The quantities referenced in the RFP are estimated to be the amount needed. The quantities for which unit prices are indicated in the Proposal Form do not constitute a guarantee that the quantities so indicated are the actual quantities required for the work under the contract. The City-Parish reserves the right to increase or decrease the quantities of work and material under unit price items as deemed necessary, provided said increase or decrease does not materially change the intent of the contract. Such alternations **shall** not be considered as a waiver of any conditions of the contract nor invalidate any provisions thereof.

Neither the City-Parish nor the Department obligates itself to contract for or accept more than their actual requirements during the period of this agreement, as determined by actual needs and availability of appropriated funds.

The City will negotiate an agreement with the proposer whose proposal is the most responsive to this RFP. The City reserves the right to reject any or all responses. The City-Parish desires to select one Proposer to provide the services described herein. The successful Proposer **shall** serve as the single prime contractor for all work performed pursuant to this contract. That prime contractor **shall** be responsibility for all deliverables referenced in this RFP. This general requirement notwithstanding, Proposers may enter into subcontractor arrangements. Proposers may submit a proposal in response to this RFP, which identifies subcontract(s) with others, provided that the prime contractor acknowledges total responsibility for the entire contract.

6. Background

The purpose of this Request for Proposal (RFP) is to obtain competitive proposals as allowed by City-Parish governing statutes, ordinances, resolutions and policies from bona fide, qualified Proposers who are interested in providing analytical laboratory services for regulatory compliance sampling in association with the North Wastewater Treatment Plant, the South Wastewater Treatment Plant, the North Landfill, Satellite Wastewater Package Plants, the Industrial Pretreatment Program, and the Municipal Separate Storm Sewer System Program as governed by regulatory permits.

7. Mission

The City-Parish Department of Environmental Services desires to issue enter into a long-term contract with a contractor for analytical laboratory services for regulatory compliance sampling in association with the North Wastewater Treatment Plant, the South Wastewater Treatment Plant, the North Landfill, Satellite Wastewater Package Plants, the Industrial Pretreatment Program, and Municipal Separate Storm Sewer System Program, as governed by regulatory permits. The annual budget for this contract is \$340,000.

8. Definitions

- A. Shall – The term “shall” denotes mandatory requirements.
- B. Must – The terms “must” denotes mandatory requirements.
- C. May – The term “may” denotes an advisory or permissible action.
- D. Should – The term “should” denote desirable.
- E. City-Parish – City of Baton Rouge-Parish of East Baton Rouge.
- F. Proposer – A firm that submits a Proposal in response to this Request for Proposal.
- G. Contractor – A firm that the City-Parish enters into a contract with in accordance with this Request for Proposal.
- H. TBD – To Be Determined

9. Scope of Work

The City-Parish is soliciting proposals from qualified commercial laboratories for analytical laboratory services to perform testing of raw and treated wastewater, wastewater residuals not only limited to sludge, groundwater and wastewater effluent from a landfill, stormwater, industrial facilities discharging to the City-Parish’s wastewater collection system and miscellaneous sampling.

All analytical tests must be performed in accordance with the techniques described in 40 CFR part 136 (see LAC 33:IX.4901) and SW-846 (solid waste methods) and the amendments thereto. Where 40 CFR part 136 does not contain sampling or analytical techniques for the pollutant in question, or where the EPA determines that the part 136 sampling and analytical techniques are inappropriate for the pollutant in question, sampling and analysis **shall** be performed by using validated analytical methods or other applicable sampling and analytical procedures approved by the Environmental Division and the Louisiana Department of Environmental Quality. All reports, **shall** satisfy the minimum recommended conditions set forth in 40 CFR part 136. Additionally, the contract laboratory should provide reports in electronic format such as excel format or an ftp site. For reference, please refer to Attachment I for the list of required methods.

Furthermore, to the analytical testing services, the contract laboratory will also be responsible for providing services to the City-Parish on the following:

1. The required sample bottles, sample kits vials, labels, and coolers, incidentals, etc. (including the preservative needed for the specific analysis), in containers appropriate for shipment back to the contract laboratory (refer to 40 CFR part 136 Sec 136.3 (e) or SW-846 for required containers, preservation techniques, and holding times). All cost associated with the shipment/delivery of sampling kits will be the responsibility of the contracted laboratory.
 - a. For the treatment plants sampling kits should be delivered to EITHER North Wastewater Treatment Plant, located at 50 Woodpecker St., Baton Rouge, LA 70807, OR South Wastewater Treatment Plant, located at 2850 Gardere Ln., Baton Rouge, LA 70820 at the direction of the City-Parish.
 - b. For the Industrial Pretreatment Program, the Landfill, and the Municipal Separate Storm Sewer System Program. The sampling kits should be delivered to the Environmental Division at R 12422 Florida Blvd., Baton Rouge, LA 70815 or to the sampling contractor as directed by the City-Parish.

10. Evaluation and Selection

The following criteria cited herein will be evaluated when reviewing the proposals: The proposal will be evaluated in light of the material and the substantiating evidence in writing presented to the City-Parish, not on the basis of what may be inferred. The proposer with the highest point total will be the successful proposer. In the event, two proposals have identical scores, the proposer with the higher point total from Past Experience, will be the successful proposer.

The City-Parish will evaluate the proposals based on the demonstrated understanding and familiarity with the scope of work described above. The factors that will be considered in the evaluation process **shall** include but not be limited to:

- a. **Cost of services:** The proposed price for calculation is the **Sum of Totals (Analytical Total + Other Services Total)** in **Attachment A**. This is the sum of all the schedules for testing. The number of points earned equals the lowest proposal price divided by the laboratory's proposal price and multiplied by 40%. **(40 points)**

Examples:

Laboratory No. 1
TOTAL ANNUAL COST - \$ 10,000
 $\$10,000/\$10,000 = 1 \times 40\% = 40$ points

Laboratory No. 2
TOTAL ANNUAL COST - \$ 11,000
 $\$10,000/\$11,000 = .91 \times 40 = 36.4$ points

- b. **Past Experience/Qualifications and availability of staff:** A list of projects ongoing or completed by the Proposer related to experience and ability in providing analytical services for the wastewater industry. Provide a list of individuals that the Proposer has committed to the completion of the proposed contract; the qualifications and location of each individual **shall** be included. **(40 points)**

c. Water Pollution Proficiency Testing Study (Min. Grade 90% on each): (10 points)

The last two WP Studies must be submitted with this proposal document. The analytes are listed in Attachment G - Priority Pollutant List. A minimum of 90% Acceptable rating must be achieved on each of the studies for the proposal to be acceptable. No more than ten (10) analytes can be Unacceptable on any one of the studies. (Note: For the purpose of this calculation any “Check for Error” data will be counted as an Unacceptable rating). For the calculation all test analytes are added together for a total of 420 analytes. The total number of Acceptable data analytes will be added up to provide the total number of rating points awarded (see chart below).

Total Groups / Analytes	Total Points Awarded
420	10
419	9
418	9
417	8
416	8
415	7
414	7
413	6
412	6
411	5
410	5
409	4
408	4
407	3
406	3
405	2
404	2
403	1
402	1
401	0
400	0
< 400	Proposal is NOT Acceptable

d. Socially and Economically Disadvantaged Business Enterprise (SEDBE) Initiative (10 points)

Any laboratory that meets or exceeds the EBE (Eligible Business Enterprise) participation goal of 4% shall receive the maximum of 10 points. The points by all other laboratories shall equal the laboratory’s EBE participation percentage divided by the EBE percentage goal of 4% percent and multiplied by 10%.

Examples:

Laboratory No. 1
 EBE PARTICIPATION GOAL– 4%
 TOTAL EBE PARTICIPATION – 5%

10 points (met or exceeded EBE percentage goal)

Laboratory No. 2
EBE PARTICIPATION GOAL– 4%
TOTAL EBE PARTICIPATION – 3%

$3\% / 4\% = .75 \times 10\% = 7.5$ points

This procurement has been designated as suitable for certified **SEDBE** participation.

The City of Baton Rouge and Parish of East Baton Rouge’s Socially and Economically Disadvantaged Business Enterprise Program (“the Program”) is made part of this contract and incorporated hereto as if copied in extensor. Bidders, Respondents, and Proposers must comply with the Program. Copies of these documents are available upon request from City of Baton Rouge and Parish of East Baton Rouge (“City-Parish”) Purchasing Division, 222 St. Louis Street, 8th Floor, Room 826, Baton Rouge, LA 70802. For questions or clarification about the Program, please contact the SEDBE Liaison Officer at the Purchasing Division, at (225) 389-3259.

The City-Parish strongly encourages the acquisition of goods and services from and direct participation of Eligible Business Enterprise (“EBEs”). The term EBE **shall** have the meaning set forth in the City-Parish’s Socially and Economically Disadvantaged Business Enterprise Certification Program.

The Program is a race- and gender-neutral program intended to provide additional contracting and procurement opportunities for certified small, disadvantaged, woman-owned, minority-owned, veteran-owned, and service-disabled veteran-owned business enterprises by encouraging contractors who receive City-Parish contracts to use good-faith efforts to utilize such certified entities in the performance of those contracts. The City-Parish desires to achieve, to the greatest extent possible, commercially meaningful and useful participation by EBEs. By providing equitable opportunities for EBEs, the City-Parish derives multiple benefits, including contributing to the economic vitality of our communities and ensuring a broader selection of competitively priced goods and services.

Bidders should present a responsible plan that provides for participation of qualified EBEs. Participation **shall** be counted toward meeting the contract goals only by business entities certified under the City-Parish’s Socially and Economically Disadvantaged Business Enterprise Certification Program. The direct participation goal can be achieved through direct ownership, joint venture participation, owner/operator agreements, or subcontract agreements for participation.

The City-Parish may set project goals on a project specific basis as noted on the Public Notice to Bidders or Advertisement for bids. Bidders are encouraged to exceed these goals.

If a Bidder does not meet the full EBE goal, then written documentation must be provided showing their good faith efforts to secure EBE participation, the unavailability of potential EBE firms, and provide justification as to why such goals cannot be met that is found to be acceptable to the SEDBE Liaison Officer. Failure to obtain an EBE shall not be a determining factor for awarding a contract.

In conjunction with the RFP scoring (10 points maximum), the City has established a minimum EBE goal of 4% of the contract amount. **The complete requirements of the “Disadvantaged Business Enterprise Inclusion” are included in Attachment D.**

Any other information deemed pertinent by the Proposer including terms and conditions which the Proposer wishes the City-Parish to consider.

If the organization submitting a proposal must outsource or contract any work to meet requirements contained herein, such work must be clearly identified in the proposal. Proposers must identify by name, address, and telephone number, any individuals or entities outside the Proposer's organization that Proposer intends to use for any part of the required scope of work. Proposal pricing must include any outsourced or contracted work.

The evaluation committee will evaluate responsive RFP submissions on the following background and experience, technical criteria, and cost; award points up to the maximum points allocated; and provide an assessment.

Each Proposer bears sole responsibility for the items included or not included within the response submitted by the Proposer.

To evaluate all proposals, a committee whose members have expertise in various areas has been selected. This committee will determine which proposals are reasonably susceptible of being selected for award. If required, written or oral discussions may be conducted with any or all of the Proposers to make this determination.

Written recommendation for award **shall** be made to Purchasing for the Proposer whose proposal, conforming to the RFP, will be the most advantageous to the City-Parish, price and other factors considered.

The committee may reject any or all proposals if none are considered in the best interest of City-Parish.

11. Notice of Intent to Award

Upon review and approval of the evaluation committee's recommendation for award by the Director of Purchasing and the Metropolitan Council, a *Notice of Intent to Award* letter will be issued to the Proposer. The City-Parish desires to have a contract completed and signed by all parties concerned, on or before the date indicated in the Schedule of Events. If the Proposer fails to submit the Award Contract by the scheduled deadline, through no liability of the City-Parish, the City-Parish may elect to cancel the *Notice of Intent to Award* letter and make the award to the next highest scored Proposer.

The Purchasing Division **shall** notify all unsuccessful Proposers as to the outcome of the evaluation process, and include, upon request, evaluation factors, points, and a summary. A recommendation report **shall** be made available to all interested parties after the *Notice of Intent to Award* letter has been issued.

12. Contract Negotiations

If, for any reason, the Proposer whose proposal is most responsive to the City-Parish's needs, price, and other evaluation factors set forth in the RFP considered, does not agree to the contract, that proposal shall be rejected and the City-Parish may negotiate with the next highest scored Proposer. Negotiation may include revision of non-mandatory terms, conditions, and requirements. Negotiation **shall** also allow price adjustments. The final contract form **shall** be reviewed by the Purchasing Division and approved by the Parish Attorney prior to issuance of a purchase order, if applicable, to complete the process.

The RFP, any addendums, and the proposal of the selected Proposer will become part of any contract initiated by the City-Parish.

In no event is a Proposer to submit its own standard contract terms and conditions as a response to this RFP. The Proposer needs to address the specific language in the sample contract "Attachment D" and submit with their proposal any exceptions or exact contract deviations that the firm wishes to negotiate. The terms for both of these documents may be negotiated as part of the negotiation process, with the exception of contract provisions that are non-negotiable.

If the contract negotiation period exceeds **30 days**, or if the selected Proposer fails to sign the contract within **seven calendar days of delivery of the contract**, the City-Parish may elect to cancel the award and award the contract to the next highest scored Proposer.

Award **shall** be made to the Proposer whose proposal, conforming to the RFP, will be the most advantageous to the City-Parish, price and other factors considered.

13. Ownership

All proposals and/or documentation submitted therewith are City-Parish's property for all purposes.

Proposers must clearly mark documents or information as "confidential" in order to claim exemption, if any, from public records disclosure and specifically justify the exemption.

Confidential Information, Trade Secrets, and Proprietary Information

The designation of certain information as trade secrets and/or privileged or confidential proprietary information shall **only** apply to the technical portion of your proposal. Your cost proposal will not be considered confidential under any circumstance. Any proposal copyrighted or marked as confidential or proprietary in its entirety may be rejected without further consideration or recourse.

For the purposes of this procurement, the provisions of the Louisiana Public Records Act (La. R.S. 44.1 et. seq.) will be in effect. Pursuant to this Act, all proceedings, records, contracts, and other public documents relating to this procurement **shall** be open to public inspection. Proposers are reminded that while trade secrets and other proprietary information they submit in conjunction with this procurement may not be subject to public disclosure, protections must be claimed by the Proposer at the time of submission. Proposers should refer to the Louisiana Public Records Act for further clarification.

The Proposer **shall** mark the cover sheet of the proposal with the following legend, specifying the specific page(s) and/or section(s) of the proposal that are sought to be restricted:

*"The data contained on page(s) XX and/or section(s) XX of the proposal have been submitted in confidence and contain trade secrets and/or privileged or confidential information and such data **shall** only be disclosed for evaluation purposes, provided that, if a contract is awarded to this Proposer as a result of or in connection with the submission of this proposal, the City-Parish **shall** have the right to use or disclose the data therein to the extent provided in the contract. This restriction does not limit the City-Parish's right to use or disclose data obtained from any source, including the Proposer, without restrictions."*

Further, to protect such data, each page containing such data **shall** be specifically identified and marked "CONFIDENTIAL."

If a competing Proposer or other person seeks review or copies of another Proposer's confidential data, the City-Parish will notify the owner of the asserted data of the request. If the owner of the asserted data does not want the information disclosed, it must agree to indemnify the City-Parish and hold the City-Parish harmless against all actions or court proceedings that may ensue (including attorney's fees), which seek to order the City-Parish to disclose the information. If the owner of the asserted data refuses to indemnify and hold the City-Parish harmless, the City-Parish may disclose the information.

The City-Parish reserves the right to make any proposal, including proprietary information contained therein, available to Purchasing Division personnel, the Office of the Mayor-President, or other City-Parish agencies or organizations for the sole purpose of assisting the City-Parish in its evaluation of the proposal. The City-Parish **shall** require said individuals to protect the confidentiality of any specifically identified proprietary information or privileged business information obtained as a result of their participation in these evaluations.

If your proposal contains confidential information, you should also submit a redacted copy along with your proposal. If you do not submit the redacted copy, you will be required to submit this copy within 48 hours of notification from Purchasing. When submitting your redacted copy, clearly mark the cover as – “*Redacted Copy*” – to avoid having this copy reviewed by an evaluation committee member. The redacted copy should also state which sections or information has been removed.

14. Legibility / Clarity

Responses to the requirements of this RFP in the formats requested are desirable, with all questions answered in as much detail as practicable. The Proposer’s response should demonstrate an understanding of the requirements. Proposals prepared simply and economically, providing a straightforward, concise description of the Proposer’s ability to meet the requirements of the RFP are also desired. Each Proposer **shall** be solely responsible for the accuracy and completeness of its proposal.

15. Effects

The City-Parish is not responsible for any cost associated with RFP development, submission, or presentation, and is not responsible for any costs associated, in any way, with contract negotiation.

Changes, Addenda, & Withdrawals

The City-Parish reserves the right to change the schedule of events or issue addenda to the RFP at any time. The City-Parish also reserves the right to cancel or reissue the RFP.

If the Proposer needs to submit changes or addenda, such **shall** be submitted in writing prior to the proposal opening, signed by an authorized representative of the Proposer, cross-referenced clearly to the relevant proposal section, and submitted in a sealed envelope, marked [*Addenda*] **Analytical Laboratory Services for Regulatory Compliance Sampling for The City of Baton Rouge/Parish of East Baton Rouge, Department of Environmental Services.**

A Proposer may withdraw a proposal that has been submitted at any time up to the proposal closing date and time. To accomplish this, a written request signed by the authorized representative of the Proposer must be submitted to the Purchasing Division.

Deliverables

The deliverables and structure listed in **Section 2** are the minimum desired from the successful Proposer. Every Proposer should describe what deliverables will be provided per their proposal and how the proposed deliverables will be provided.

Acceptance

All proposals **shall** be considered valid for acceptance until such time an award is made, unless the Proposer provides for a different time period within its proposal response.

The City-Parish reserves the right to reject a proposal if the Proposer’s response is unacceptable, and the Proposer is unwilling to extend the validity of its proposal.

The mandatory RFP requirements **shall** become contractual obligations if a contract ensues. Failure of the successful Proposer to accept these obligations **shall** result in the rejection of the proposal.

Rejection

Issuance of this RFP in no way constitutes a commitment by the City-Parish to award a contract. The City-Parish reserves the right to accept or reject any or all proposals submitted or to cancel this RFP if it is in the best interest of the City-Parish to do so. Failure to submit all non-mandatory information requested may result in the City-Parish requiring prompt submission of missing information and/or giving a lower score in the evaluation of the proposal.

Proposals received after the deadline, corrupted files, and incomplete submissions will not be considered.

Order of Precedence

In the event of an inconsistency between the contract, the RFP, and/or the Proposer's proposal, the inconsistency shall be resolved by giving precedence first to the final contract, then to the RFP and subsequent addenda (if any), and finally, the Proposer's proposal.

16. Required Attachments with Proposal

In addition to the proposal, Proposers are required to complete and submit the following attachments:

- "Attachment B" Proposal Forms
- "Attachment B-1" Pricing Schedule

Additionally, within fifteen (15) calendar days after receiving notice of award from the City-Parish. The following attachments must be submitted:

- "Attachment C" Insurance Requirements
- "Attachment D" Sample Contract

17. Sample Agreement

The City-Parish supplies a sample professional services agreement in "Attachment D."

The selected Proposer shall be expected to enter into a contract that is substantially the same as the sample agreement.

Proposer shall not submit its own standard contract terms and conditions as a response to this RFP.

Non-negotiable contract terms include but are not limited to taxes, assignment of contract, audit of records, EEOC and ADA compliance, record retention, content of contract/order of precedence, contract changes, governing law, claims or controversies, and termination based on contingency of appropriation of funds (if applicable).

18. Taxes

Any taxes, other than state and local sales and use taxes, from which the City-Parish is exempt, shall be assumed to be included within the Proposer's cost.

19. Proposal Submission Requirements

It shall be a requirement of the Proposer to demonstrate through its response to this RFP that the Proposer can effectively meet or exceed the stated requirements listed in this section.

Proposers must respond to each of the requirements, explaining and demonstrating their qualifications. Each response will be evaluated and scored. Supporting documentation and actual examples of currently provided services must be provided within the Proposer's response. Please note that all proposals will be public record, and all personally identifiable information must be redacted from documentation. Scoring will be based on the content, depth, and detail in the response, and the documentation provided in support of responses. Failure to provide supporting documentation or inadequate documentation may result in a reduced or failing score.

Submission Documents

Please refer to **Section 2**.

20. Claims or Controversies

Any Proposer who believes they were adversely affected by the City-Parish's procurement process or award, may file a protest. It must be submitted in writing to the Director of Purchasing and specifically state the particular facts which form the basis of the protest and the relief requested. Protests with regard to the specification documents will not be considered after proposals are opened and must be received at least two (2) days prior to the due date and time RFP responses are due. Protests associated with contract award must be received within seven (7) days from the issuance of the notice of intent to award.

The City-Parish will take action on protests within fifteen (15) days of the receipt thereof. The City-Parish may suspend, postpone or defer the proposal process and/or award in whole or in part upon receipt of a protest.

A protest **shall** be limited to issues arising from the procurement provisions of the contract and state or local law. Protests with regard to basic project design will not be considered.

Protests may be reviewed by a committee appointed by the Parish Attorney. The decision of the committee regarding the protest will be given to the Proposer in writing within ten (10) days after all pertinent information has been considered. The decision of the Review Committee **shall** be a condition precedent to any other proceedings in connection with a protest and **shall** be considered the administrative remedy available to the protesting bidder.

21. Debriefing

Debriefings may be requested by the participating Proposers after a contract has been awarded. Contact may be made by phone at (225) 389-3259 or E-mail to purchasinginfo@brla.gov to schedule the debriefing. Debriefings **shall** occur within 15 days after the Contract Award and will not be conducted prior to contract award. Debriefings may be conducted so that unsuccessful proposers can review the evaluation summary and discuss the relative merits of their submitted proposal. If the requesting vendor wishes to view other file documents, a Public Records request in accordance with R.S 44.1 et. seq. can be submitted.

22. Errors and Omissions in Proposal

The City-Parish will not be liable for any error in the proposal. Proposer will not be allowed to alter proposal documents after the deadline for proposal submission, except under the following condition: The City-Parish reserves the right to make corrections or clarifications due to patent errors identified in proposals by the City-Parish or the Proposer.

The City-Parish, at its option, has the right to require clarification or additional information from the Proposer.

23. Proposal Guarantee

Each proposal shall be accompanied by a proposal guarantee in the form of a bond (from a surety licensed to conduct business in the State of Louisiana), or a certified or cashier's check or money order made payable to the City of Baton Rouge/Parish of East Baton Rouge, or an irrevocable letter of credit from a Federal or State licensed bank in the amount of five percent (5%) of the proposal. Proposal guarantees shall be subject to forfeiture for failure on the part of the selected proposer to execute a contract within thirty (30) days after such contract is submitted to proposer in conformance with the terms, conditions, and specifications of this solicitation. Proposal guarantees shall be returned upon the award of a contract or upon rejection of all proposals.

24. Performance Bond

A performance bond is not required.

25. Waiver of Administrative Informalities

The City-Parish reserves the right, at its sole discretion, to waive administrative informalities contained in any proposal.

26. Minimum Scope of Insurance

Proposer shall furnish the City-Parish with certificates of insurance affecting coverage(s) required by the RFP (see "Attachment C").

The certificates for each insurance policy are to be signed by a person authorized by that insurer to bind coverage on its behalf. The certificates are to be received and approved by the City-Parish prior to contract execution. The City-Parish reserves the right to require complete certified copies of all required policies, at any time.

27. Corporation Requirements

If the Proposer is a corporation and not incorporated under the laws of the State of Louisiana, the Proposer shall have obtained a certificate of authority pursuant to R.S. 12:301-302 from the Secretary of State of Louisiana, prior to the execution of the contract.

Upon the award of the contract, if the Proposer is a for-profit corporation whose stock is not publicly traded, the Proposer shall ensure that a disclosure of ownership form has been properly filed with the Secretary of State of Louisiana.

If services are to be performed in the City of Baton Rouge, Parish of East Baton Rouge, evidence of a current occupational license and/or permit issued by the City-Parish shall be supplied by the successful vendor, if applicable.

28. Proposer Responsibilities

The selected Proposer **shall** be required to assume responsibility for all items and services offered in his proposal whether or not he produces or provides them. The City-Parish **shall** consider the selected Proposer to be the sole point of contact with regard to contractual matters, including payment of any and all charges resulting from the contract.

29. Use of Sub-contractors

Each Proposer **shall** serve as the single prime Proposer for all work performed pursuant to its contract. That prime Proposer **shall** be responsible for all deliverables referenced in this RFP. This general requirement notwithstanding, Proposers may enter into subcontractor arrangements. Proposers may submit a proposal in response to this RFP, which identifies subcontract(s) with others, provided that the prime Proposer acknowledges total responsibility for the entire contract.

The City-Parish is an equal opportunity employer and encourages the participation of Disadvantaged Business Enterprises (DBE) in all of its projects. Proposers/Prospective Proposers are strongly encouraged to make positive efforts to utilize minority subcontractors for a portion of this project. Proposers are requested to include in their proposal a description of plans for minority participation under this Contract as suppliers or subcontractors.

Information required of the Prime Proposer under the terms of the RFP, is also required for each subcontractor and the subcontractors must agree to be bound by the terms of the contract. The prime Proposer **shall** assume total responsibility for compliance.

30. Civil Rights Compliance

The Proposer agrees to abide by the requirements of the following as applicable: Title VI and Title VII of the Civil Rights Act of 1964, as amended by the Equal Opportunity Act of 1972, Federal Executive Order 11246, the Federal Rehabilitation Act of 1973, as amended, the Vietnam Era Veteran's Readjustment Assistance Act of 1974, Title IX of the Education Amendments of 1972, the Age Act of 1975, and the Americans with Disabilities Act of 1990. Proposer agrees not to discriminate in its employment practices and will render services under this Agreement or any contract entered into as a result of this Agreement, without regard to race, color, religion, sex, sexual orientation, national origin, veteran status, political affiliation, or disabilities. Any act of discrimination committed by Proposer, or failure to comply with these statutory obligations when applicable, **shall** be grounds for termination of this Agreement and any contract entered into as a result of this agreement.

31. Governing Law

All activities associated with this RFP process **shall** be interpreted under applicable Louisiana Law. All proposals and contracts submitted are subject to provisions of the laws of the State of Louisiana, including but not limited to, L.R.S. 38-2211-2296; section 1:701-710 of the City-Parish Code of Ordinances, purchasing regulations; standard terms and conditions; special terms and conditions; and specifications listed in this RFP.

32. Audit of Records

The City-Parish, designated person representing the City-Parish, or other lawful entity **shall** have the option to audit all accounts and records, physical, digital, or otherwise, directly pertaining to the resulting contract

for a period of five (5) years after project acceptance or as required by applicable local, state, or federal law. Records shall be made available during normal business hours for this purpose.

The Proposer shall maintain all records in relation to this contract for a period of at least five (5) years after final close-out of the contract.

33. Liability & Risk Management

Insurance

Proposer shall secure and maintain at its expense such insurance that will protect it from claims under the Workmen's Compensation Acts and from claims for bodily injury, death or property damage, which may arise from the performance of services under this Agreement, as referenced in "Attachment C." All certificates of insurance shall be furnished to the City-Parish and shall provide that such insurance shall not be cancelled without prior notice given to the City-Parish, in writing. Notices will name Proposer, and identify the Metropolitan Council Resolution approving the terms of this Agreement. The City-Parish may examine the policies at any time and without notice.

All policies and certificates of insurance acquired pursuant to this contract shall contain the clauses following:

- Proposer's insurers will have no right of recovery or subrogation against the City-Parish.
- The City-Parish shall be named as additional insureds as regards to general liability and automobile liability with respect to negligence by Proposer.
- The insurance company(ies) issuing the policy or policies shall have no recourse against the City-Parish for payment of any premiums or for assessments under any form of policy.
- Any and all deductibles in the below described insurance policies shall be assumed by and be at the sole risk of Proposer.

Prior to the execution of this Agreement Proposer shall provide at its own expense, proof of the following insurance coverage required by the contract to the City-Parish by insurance companies authorized to do business in the State of Louisiana. Insurance is to be placed with insurers with an AM Best Rating of no less than A:VI.

1. In the event Proposer hires workers within the State of Louisiana, it shall procure and maintain Commercial General Liability insurance with a Combined Single Limit of *at least* One Million Dollars (\$1,000,000.00) per occurrence for bodily injury and property damage. This insurance shall include coverage for bodily injury and property damage.
2. Business Automobile Liability insurance with Combined Single Limit of One Million Dollars (\$1,000,000.00) per occurrence for bodily injury and property damage, unless otherwise indicated. This insurance shall include for bodily injury and property damage.

All policies of insurance shall meet the requirements of the City-Parish prior to the commencing of any work. The City-Parish has the right but not the duty to approve all insurance policies prior to commencing of any work. If at any time any of the said policies shall fail to meet the requirements as set forth herein or if any of the companies issuing Proposer's policies hereunder fails to meet or maintain an AM Best Rating of no less than A:VI, Proposer shall promptly obtain a new policy, submit the same to the City-Parish for approval and submit a certificate thereof as provided above.

Upon failure of Proposer to deliver and maintain such insurance as above provided, the contract, at the election of the City-Parish, may be forthwith declared suspended, discontinued or terminated. Failure of Proposer to take out and/or to maintain insurance shall not relieve Proposer from any liability under the contract, nor shall the insurance requirements be construed to conflict with the obligation of Proposer

concerning indemnification.

Indemnification

Proposer shall indemnify, defend and hold harmless City-Parish from and against any and all claims against City-Parish arising out of Proposer's performance of its obligations hereunder. This provision, however, shall not be considered and shall not be construed to be a waiver of any defense, including sovereign or official immunity, to any claim against City-Parish by an employee of company or any other person in any way whatsoever. Further, the Proposer will look to its own insurance for recovery of any or the foregoing losses and shall waive any right of recovery of insured claims by anyone claiming through them, by way of subrogation or otherwise, including Proposer's respective insurers. This release and waiver remains effective despite either party's failure to obtain insurance.

34. Written or Oral Discussions / Presentation

Written or oral discussions may be conducted with Proposers who submit proposals determined to be reasonably susceptible of being selected forward. The City-Parish reserves the right to enter into an agreement without further discussion of the proposal submitted based on the initial offers received.

Any commitments or representations made during these discussions, if conducted, may become formally recorded in the final contract.

Written or oral discussions/presentations for clarification may be conducted to enhance City-Parish understanding of any or all of the proposals submitted. Neither negotiations, nor changes to vendor proposals, will be allowed during these discussions. Proposals may be accepted without such discussions.

35. Payment for Services

The Proposer shall be entitled to payment in accordance with the provisions of this paragraph. Proposer shall invoice the City-Parish on a monthly basis. The contract will be issued with a maximum (not to exceed) total contract price. Payments will be made by the City-Parish within approximately thirty (30) days after receipt and approval of a properly executed invoice, and approval by the department. Invoices shall include the contract or purchase order number, using department and product/service provided. Invoices submitted without the referenced documentation will not be approved for payment until the required information is provided.

Pricing Schedule

Prices proposed by the proposers should be submitted on the Proposal Form furnished herein as Attachment B-1 "Pricing Schedule". Prices submitted shall be firm for the term of the contract and inclusive of all charges Contractor wishes City-Parish to consider for proposed services.

Annual increases to the pay item price schedule shall be allowed as described below to compensate for annual increases in costs associated with the scope of work:

Commencing on the first annual renewal of the contract and continuing on an annual basis thereafter through any extension of the Contract, the Unit Prices charged by the Contractor, upon request, shall be adjusted upward as follows. The rate adjustments will be made effective on the date of the executed renewal amendment thereafter based on fluctuations in the Consumer Price Index for All Items Not Seasonally Adjusted, (published by the Bureau of Labor Statistics, U.S. Department of Labor ("C.P.I.")). The adjustment factor shall be calculated by each ensuing annual period by the net annual percentage change of the C.P.I. All percentage changes shall be computed as the difference between the change in the index value for the

previous twelve months ending in October, divided by the change in the index value for the twelve months prior, multiplied by the applicable factors. The adjustments **shall** only be made if resulting in a positive increase in the Unit Prices; if the percentage change is negative, no adjustment **shall** be made to the Unit Prices for the upcoming year. Percentage changes **shall** not exceed 3% of the previous Unit Prices.

36. Termination

Termination for Cause

The City-Parish may terminate this contract for cause based upon the failure of the Proposer to comply with the terms and/or conditions of the Agreement, or failure to fulfill its performance obligations pursuant to this Agreement, provided that the City-Parish **shall** give the Proposer written notice specifying the Proposer's failure. If within thirty (30) days after receipt of such notice, the Proposer **shall** not have either corrected such failure or, in the case of failure which cannot be corrected within thirty (30) days, begun in good faith to correct such failure and thereafter proceeded diligently to complete such correction, then the City-Parish may, at its option, place the Proposer in default and the Agreement **shall** terminate on the date specified in such notice.

The Proposer may exercise any rights available to it under Louisiana Law to terminate for cause upon the failure of the City-Parish to comply with the terms and conditions of this contract; provided that the Proposer **shall** give the City-Parish written notice specifying the City-Parish failure and a reasonable opportunity for the City-Parish to cure the defect.

Termination for Lack of Appropriated Funds

Should the RFP result in a multi-year contract, a non-appropriation clause **shall** be made a part of the contract terms as required by state statutes, allowing the City-Parish to terminate the contract for lack of appropriated funds on the date of the beginning of the first fiscal year for which funds are not appropriated.

If the RFP contract services are funded by grant funds, the City-Parish **shall** have the right to terminate the contract or any issued Task Order for which funding is terminated.

Termination for Convenience

The City-Parish may terminate this Agreement at any time by giving thirty (30) days written notice to the Proposer of such termination or negotiating with the Proposer an effective date.

The Proposer **shall** be entitled to payment for deliverables in progress, to the extent work has been performed satisfactorily.

37. Assignment

Assignment of contract, or any payment under the contract, requires the advanced written approval of the City-Parish. Neither the City-Parish nor the Purchasing Division obligates itself to contract for or accept more than the actual requirements during the period of this agreement, as determined by actual needs and availability of appropriated funds.

Proposals should include the names and qualifications of the individuals that will be assigned to this project. Substitution of personnel **shall** be approved by the City-Parish.

38. Funds Use

Proposer agrees not to use contract proceeds to urge any elector to vote for or against any candidate or proposition on an election ballot nor shall such funds be used to lobby for or against any proposition or matter having the effect of law being considered by the Louisiana Legislature or any local governing authority. This provision shall not prevent the normal dissemination of factual information relative to a proposition on any election ballot or a proposition or matter having the effect of law being considered by the Louisiana Legislature or any local governing authority.

39. Proposer's Certification of No Suspension or Debarment

By signing and submitting any proposal for \$25,000 or more, the Proposer certifies that their company, any sub-contractors, or principals are not suspended or debarred by the General Services Administration (GSA).

Proposer has a continuing obligation to disclose any suspensions or debarment by any government entity, including but not limited to the General Services Administration (GSA). Failure to disclose may constitute grounds for suspension and/or termination of the Contract and debarment from future contracts.

A list of parties who have been suspended or debarred can be viewed on the internet at www.sam.gov.

40. Independent Proposer

No relationship of employer and employee is created by this Agreement; it being understood and agreed that Proposer is an independent Proposer. Proposer is not the agent or employee of the City-Parish in any capacity whatsoever, and City-Parish shall not be liable for any acts or omissions by Proposer nor for any obligations or liabilities incurred by Proposer.

Proposer shall have no claim under this Agreement or otherwise, for seniority, vacation time, vacation pay, sick leave, personal time off, overtime, health insurance, medical care, hospital care, retirement benefits, social security, disability, Workers' Compensation, or unemployment insurance benefits, civil service protection, or employee benefits of any kind.

41. Conflict of Interest / Confidentiality

The Proposer covenants that it presently has no interest, and shall not have any interest, direct or indirect, which would conflict in any manner with the performance of services required under this Agreement. Without limitation, Proposer represents to and agrees with City-Parish that Proposer has no present, and will have no future, conflict of interest between providing the City-Parish's services hereunder and any other person or entity which has any interest adverse or potentially adverse to City-Parish, as determined in the reasonable judgment of the City-Parish.

The Proposer agrees that any information, whether proprietary or not, made known to or discovered by it during the performance of or in connection with this Agreement for City-Parish will be kept confidential and not be disclosed to any other person. The Proposer agrees to immediately notify City-Parish by notices, if it is requested to disclose any information made known to or discovered by it during the performance of or in connection with this Agreement. These conflict of interest and future service provisions and limitations shall remain fully effective five years after termination of services to City-Parish hereunder.

42. Use of City-Parish's Property

Proposer shall not use City-Parish's property (including equipment, instruments and supplies) or personnel for any purpose other than in the performance of his/her obligations under this Agreement.

43. Waiver

No waiver of a breach, failure of any condition, or any right or remedy contained in or granted by the provisions of this Agreement shall be effective unless it is in writing and signed by the party waiving the breach, failure, right, or remedy. No waiver of any breach, failure, right or remedy shall be deemed a waiver of any other breach, failure, right or remedy, whether or not similar, nor shall any waiver constitute a continuing waiver unless the writing so specifies.

44. Force Majeure

The Proposer or City-Parish shall be excused from performance under the contract for any period that the Proposer or City-Parish is prevented from performing any services in whole or in part as a result of an act of God, strike, war, civil disturbance, epidemic, or court order, provided the Proposer or City-Parish has prudently and promptly acted to take any and all corrective steps that are within the Proposer's or City-Parish's control to ensure that the Proposer or City-Parish can promptly perform and to minimize the effect of such events upon performance of their respective duties under the contract.

45. Federal Clauses

The following clauses are mandatory if Federal Funds are utilized.

Remedies

As a breach of service would cause serious and substantial damages to the City-Parish and its occupants, and the nature of resulting contract would render it impractical or extremely difficult to fix the actual damage sustained by the City-Parish by such breach, it is agreed that in case of a breach of service, the City-Parish may elect to collect liquidated damages as specified in the resulting contract, not as a penalty, such sums being agreed as the amount which the City-Parish will be damaged by the breach of such service.

The decision to seek such remedies shall not be construed as a waiver of any legal remedies the City-Parish may have as to any subsequent breach of service.

If the Proposer fails to perform, or to perform in a satisfactory manner, or to perform in strict compliance with the resulting Contract, the Proposer will be considered to be in Breach of Contract, in addition to such remedies of a less formal but corrective nature as may be delineated between the City-Parish and the Proposer elsewhere in the resulting Contract Documents, the City-Parish retains, solely to itself, all such remedies.

Equal Employment Opportunity

During the performance of this Agreement, the Proposer agrees as follows:

- The Proposer will not discriminate against any employee or applicant for employment because of race, color, religion, sex, sexual orientation, gender identity, or national origin. The Proposer will take affirmative action to ensure that applicants are employed, and that employees are treated during employment without regard to their race, color, religion, sex, sexual orientation, gender identity, or

national origin. Such action shall include, but not be limited to the following:

Employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. The Proposer agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provided setting forth the provisions of this nondiscrimination clause.

- The Proposer will, in all solicitations or advertisements for employees placed by or on behalf of the Proposer, state that all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, or national origin.
- The Proposer will not discharge or in any other manner discriminate against any employee or applicant for employment because such employee or applicant has inquired about, discussed, or disclosed the compensation of the employee or applicant or another employee or applicant. This provision shall not apply to instances in which an employee who has access to the compensation information of other employees or applicants as a part of such employee's essential job functions discloses the compensation of such other employees or applicants to individuals who do not otherwise have access to such information, unless such disclosure is in response to a formal complaint or charge, in furtherance of an investigation, proceeding, hearing, or action, including an investigation conducted by the employer, or is consistent with the Proposer's legal duty to furnish information.
- The Proposer will send to each labor union or representative of workers with which he has a collective bargaining agreement or other contract or understanding, a notice to be provided advising the said labor union or workers' representatives of the Proposer's commitments under this section, and shall post copies of the notice in conspicuous places available to employees and applicants for employment.
- The Proposer will comply with all provisions of Executive Order 11246 of September 24, 1965, and of the rules, regulations, and relevant orders of the Secretary of Labor.
- The Proposer will furnish all information and reports required by Executive Order 11246 of September 24, 1965, and by rules, regulations, and orders of the Secretary of Labor, or pursuant thereto, and will permit access to his books, records, and accounts by the administering agency and the Secretary of Labor for purposes of investigation to ascertain compliance with such rules, regulations, and orders.
- In the event of the Proposer's noncompliance with the nondiscrimination clauses of this Agreement or with any of the said rules, regulations, or orders, this contract may be canceled, terminated, or suspended in whole or in part and the Proposer may be declared ineligible for further Government contracts or federally assisted construction contracts in accordance with procedures authorized in Executive Order 11246 of September 24, 1965, and such other sanctions may be imposed and remedies invoked as provided in Executive Order 11246 of September 24, 1965, or by rule, regulation, or order of the Secretary of Labor, or as otherwise provided by law.
- The Proposer will include the portion of the sentence immediately preceding paragraph (1) and the provisions of paragraphs (1) through (8) in every subcontract or purchase order unless exempted by rules, regulations, or orders of the Secretary of Labor issued pursuant to section 204 of Executive Order 11246 of September 24, 1965, so that such provisions will be binding upon each sub-contractor or vendor. The Proposer will take such action with respect to any subcontract or purchase order as the administering agency may direct as a means of enforcing such provisions, including sanctions for noncompliance.

Provided, however, that in the event a Proposer becomes involved in, or is threatened with, litigation with a sub-contractor or vendor as a result of such direction by the administering agency, the Proposer may request the United States to enter into such litigation to protect the interests of the United States.

The applicant further agrees that it will be bound by the above equal opportunity clause with respect to its own employment practices when it participates in federally assisted construction work: Provided, that if the applicant so participating is a state or local government, the above equal opportunity clause is not applicable to any agency, instrumentality or subdivision of such government which does not participate in work on or under the contract.

The applicant agrees that it will assist and cooperate actively with the administering agency and the Secretary of Labor in obtaining the compliance of Proposers and sub-contractors with the equal opportunity clause and the rules, regulations, and relevant orders of the Secretary of Labor, that it will furnish the administering agency and the Secretary of Labor such information as they may require for the supervision of such compliance, and that it will otherwise assist the administering agency in the discharge of the agency's primary responsibility for securing compliance.

The applicant further agrees that it will refrain from entering into any contract or contract modification subject to Executive Order 11246 of September 24, 1965, with a contractor debarred from, or who has not demonstrated eligibility for, Government contracts and federally assisted construction contracts pursuant to the Executive Order and will carry out such sanctions and penalties for violation of the equal opportunity clause as may be imposed upon Proposers and sub-contractors by the administering agency or the Secretary of Labor pursuant to Part II, Subpart D of the Executive Order. In addition, the applicant agrees that if it fails or refuses to comply with these undertakings, the administering agency may take any or all of the following actions: cancel, terminate, or suspend in whole or in part this grant (contract, loan, insurance, guarantee); refrain from extending any further assistance to the applicant under the program with respect to which the failure or refund occurred until satisfactory assurance of future compliance has been received from such applicant; and refer the case to the Department of Justice for appropriate legal proceedings.

Davis-Bacon and Copeland Anti-Kickback Act

The Proposer **shall** comply with the Davis-Bacon Act (40 U.S.C. 3141-3144 and 3146-3148) as supplemented by the Department of Labor regulations (29 CFR Part 5, "Labor Standard Provisions Applicable to Contracts Covering Federally Financed and Assisted Construction"). In accordance with this statute, the Proposer is required to pay wages to laborers and mechanics at a rate not less than the prevailing wages specified in a wage determination made by the Secretary of Labor. In addition, the Proposer is required to pay wages not less than once a week.

The Proposer **shall** comply with the Copeland "Anti-Kickback" Act (40 U.S.C. 3145), as supplemented by the Department of Labor regulations (29 CFR Part 3, "Contractors and Sub-contractors on Public Building or Public Work Financed in Whole or in Part by Loans or Grants from the United States"). The Proposer is prohibited from inducing, by any means, any person employed in the construction, completion, or repair of public work, to give up any part of the compensation to which he or she is otherwise entitled.

Contract Work Hours and Safety Standards Act

Pursuant to 40 U.S.C. 3702 and 3704, as supplemented by Department of Labor regulations (29 CFR Part 5), the Proposer is required to compute the wages of every mechanic and laborer on the basis of a standard work week of 40 hours. Work in excess of the standard work week is permissible provided that the worker is compensated at a rate of not less than one and a half times the basic rate of pay for all hours worked in excess of 40 hours in the work week. The requirements of 40 U.S.C. 3704 are applicable to construction work and provide that no laborer or mechanic must be required to work in surroundings or under working conditions which are unsanitary, hazardous or dangerous. These requirements do not apply to the purchases of supplies or materials or articles ordinarily available on the open market, or contracts for transportation or transmission of intelligence.

Rights to Interventions Made Under a Contract or Agreement

If the Federal award meets the definition of “funding agreement” under 37 CFR §401.2 (a) and the recipient or subrecipient wishes to enter into a contract with a small business firm or nonprofit organization regarding the substitution of parties, assignment or performance of experimental, developmental, or research work under that “funding agreement,” the recipient or subrecipient must comply with the requirements of 37 CFR Part 401, “Rights to Interventions Made by Nonprofit Organizations and Small Business Firms Under Government Grants, Contracts and Cooperative Agreements,” and any implementing regulations issued by the awarding agency.

Clean Air Act and the Federal Water Pollution Control Act

The Proposer is required to comply with all applicable standards, orders or regulations issued pursuant to the Clean Air Act (42 U.S.C. 7401-7671q) and the Federal Water Pollution Control Act as amended (33 U.S.C. 1251-1387). Violations must be reported to the Federal awarding agency and the Regional Office of the Environmental Protection Agency (EPA).

Byrd Anti-Lobbying Amendment

Proposers that apply or bid for an award exceeding \$100,000 must file the required certification. Each tier certifies to the tier above that it will not and has not used Federal appropriated funds to pay any person or organization for influencing or attempting to influence an officer or employee of any agency, a member of Congress, officer or employee of Congress, or an employee of a member of Congress in connection with obtaining any Federal contract, grant or any other award covered by 31 U.S.C. 1352. Each tier must also disclose any lobbying with non-Federal funds that takes place in connection with obtaining any Federal award. Such disclosures are forwarded from tier to tier, up to the non-Federal award.

Procurement Recovered Materials

Proposer shall comply with Section 6002 of the Solid Waste Disposal Act, as amended by the Resource Conservation and Recovery Act which pertains to procuring only items designated in the guidelines of the Environmental Protection Agency (EPA) at 40 CFR Part 247 that contain the highest percentage of recovered materials practicable, consistent with maintaining a satisfactory level of competition, where the purchase price of the item exceeds \$10,000.00 or the value of the quantity acquired during the preceding fiscal year exceed \$10,000.00; procuring solid waste management services in a manner that maximizes energy resource recovery; and establishing an affirmative procurement program for procurement of recovered materials identified in the EPA guidelines.

Program Fraud and False or Fraudulent Statements or Related Acts

The Proposer acknowledges that 31 U.S.C. Chap. 38 (Administrative Remedies for False Claims and Statements) applies to the Proposer's actions pertaining to this contract.

Compliance with Federal Law, Regulations, and Executive Orders

The Proposer will comply will all applicable federal law, regulations, executive orders, FEMA and/or HUD policies, procedures, and directives.

No Obligation by Federal Government

The Federal Government is not a party to this contract and is not subject to any obligations or liabilities to the non-Federal entity, Proposer, or any other party pertaining to any matter resulting from the contract.



ATTACHMENT A
NEEDED SERVICES & DELIVERABLES
CITY OF BATON ROUGE
PARISH OF EAST BATON ROUGE

To achieve a uniform review process and obtain the maximum degree of comparability, the City-Parish requires that the proposals be organized in the manner as specified in **Section 2**.



ATTACHMENT B
PROPOSAL FORMS
CITY OF BATON ROUGE
PARISH OF EAST BATON ROUGE

Sealed proposals will be received by the City of Baton Rouge, Parish of East Baton Rouge until February 15, 2024, at 11:00 AM. local time, at the following location:

City Hall Building
Division of Purchasing
222 St. Louis Street, Room #826
Baton Rouge, LA 70802

PROPOSAL OF _____

ADDRESS _____

DATE _____

The undersigned hereby agrees to furnish all materials, tools, equipment, insurance, and labor to perform all services required for the following project:

“Analytical Laboratory Services for Regulatory Compliance Sampling for The City of Baton Rouge/Parish of East Baton Rouge, Department of Environmental Services”

As set forth in the following Contract Documents:

- (1) Notice to Proposers
- (2) The Specifications (Administrative and General Information, Scope of Work/Services, Evaluation, Performance Standards, & Attachments)
- (3) Proposal Forms with Attachments
- (4) Agreement
- (5) The following enumerated addenda: _____ receipt of which is hereby acknowledged.

The undersigned declares that the only persons or parties interested in this proposal as principals are those named herein; that this proposal is made without collusion of any kind with any other person, firm, association, corporation; that the undersigned has carefully examined this Request for Proposal, and proposes, and agrees, if this proposal is accepted, to do all the work and furnish all the services specified in accordance with the requirements of the Contract Documents and to accept as full compensation therefore the total amount of the prices herein proposed, subject to any mutually agreed upon amendments. The undersigned agrees that the proposal is firm until time of award.

The undersigned agrees to execute the Agreement and Affidavit and furnish to the City-Parish all insurance certificates and performance bond (if applicable) required for the project within fifteen (15) calendar days after receiving notice of award from the City-Parish.

The undersigned further agrees that the work will begin on the date specified in the Notice to Proceed, projected to be on or about April 1, 2024, and shall be diligently prosecuted at such rate and in such manner as, in the opinion of the City-Parish's Representative is necessary for the prosecution of the work within the times specified in the Agreement, it being understood that time is of the essence.

The price for performance of all services in accordance with the Contract Documents is based on the unit (or other costs) proposed and accepted after contract negotiations.

NOTE: This financial proposal shall include any and all costs the Proposer wishes to have considered in the contractual arrangement with the City-Parish. If quoted as a lump sum, individual rates and itemized costs included in the lump sum are to be included with the proposal submittal.

All supplemental information requested is enclosed or presented in a separate sealed box or envelope.

(Signature)

(Typed Name)

***THE ATTACHED BIDDER'S ORGANIZATION SHEET MUST BE COMPLETED TO INDICATE WHETHER BIDDER IS AN INDIVIDUAL, PARTNERSHIP, ETC.**

PROPOSER'S ORGANIZATION

PROPOSER IS:

AN INDIVIDUAL

Individual's Name: _____

Doing business as: _____

Address: _____

Telephone No.: _____ Fax No.: _____

A PARTNERSHIP

Firm Name: _____

Address: _____

Name of person authorized to sign: _____

Title: _____

Telephone No.: _____ Fax No.: _____ Email: _____

A LIMITED LIABILITY COMPANY

Company Name: _____

Address: _____

Name of person authorized to sign: _____

Title: _____

Telephone No.: _____ Fax No.: _____ Email: _____

A CORPORATION

***IF PROPOSAL IS BY A CORPORATION, THE CORPORATE RESOLUTION MUST BE SUBMITTED WITH BID.**

Corporation Name: _____

Address: _____

State of Incorporation: _____

Name of person authorized to sign: _____

Title: _____

Telephone No.: _____ Fax No.: _____ Email: _____

IF BID IS BY A JOINT VENTURE, ALL PARTIES TO THE BID MUST COMPLETE THIS FORM.

CORPORATE RESOLUTION

A meeting of the Board of Directors of _____, a corporation organized under the laws of the State of _____, and domiciled in _____, was held this ____ day of _____, 20____, and was attended by a quorum of the members of the Board of Directors.

The following resolution was offered, duly seconded, and after discussion was unanimously adopted by said quorum:

BE IT RESOLVED, that _____ is hereby authorized to submit proposals and execute agreements on behalf of this corporation with the City of Baton Rouge, Parish of East Baton Rouge, Louisiana.

BE IT FURTHER RESOLVED, that said authorization and appointment shall remain in full force and effect, unless revoked by resolution of this Board of Directors and that said revocation will not take effect until the Purchasing Director of the City of Baton Rouge, Parish of East Baton Rouge, Louisiana, shall have been furnished a copy of said resolution, duly certified.

I, _____, hereby certify that I am the Secretary of _____, a corporation created under the laws of the State of _____, domiciled in _____; that the foregoing is a true and exact copy of a resolution adopted by a quorum of the Board of Directors of said corporation at a meeting legally called and held on the ____ day of _____, 20____, as said resolution appears of record in the Official Minutes of the Board of Directors in my possession.

This ____ day of _____, 20____.

Secretary

AFFIDAVIT

STATE OF LOUISIANA
PARISH OF EAST BATON ROUGE

BEFORE ME, the undersigned authority, personally came and appeared

who, being duly sworn did depose and say:

That he is a duly authorized representative of _____ receiving value for services rendered in connection with a public project of the City of Baton Rouge, Parish of East Baton Rouge, Louisiana: that he has employed no person, corporation, firm, association, or other organization, either directly or indirectly, to secure the public contract under which he received payment, other than persons regularly employed by him whose services in connection with the project or in securing the public contract were in the regular course of their duties for him; and that no part of the contract price received by him was paid or will be paid to any person, corporation, firm, association, or other organization for soliciting the contract, other than the payment of their normal compensation to persons regularly employed by him whose services in connection with the project were in the regular course of their duties for him.

This affidavit is executed in compliance with the provisions of LA R.S. 38:2224.

Affiant's Signature

SWORN TO AND SUBSCRIBED before me, on this _____ day of
_____ 20 _____

Baton Rouge, Louisiana.

NOTARY PUBLIC

day of _____

PROPOSAL BOND

(may or may not be required for all proposals)

KNOW ALL MEN BY THESE PRESENTS, that we, the undersigned, _____, _____, as Principal (Proposer), and _____ as Surety, are hereby held and firmly bound unto the City of Baton Rouge and Parish of East Baton Rouge, in the penal sum of (5% of Proposal Value) for the payment of which, well and truly to be made, we hereby jointly and severally bind ourselves, successors and assigns.

Signed, this ____ day of _____, 20___. The condition of the above obligation is such that whereas the Principal has submitted to the City-Parish a certain Proposal, attached hereto and hereby made a part hereof to enter into an Agreement in writing, for (insert RFP name here)

NOW THEREFORE,

(a) If said Proposal **shall** be rejected, or in the alternative,

(b) If said Proposal **shall** be accepted and the Principal **shall** execute and deliver a Contract in the Form of Contract attached hereto (properly completed in accordance with said Proposal) and **shall** furnish bonds for his faithful performance of said Contract and for furnishing materials in connection therewith and **shall** in all other respects perfect the Agreement created by the acceptance of said Proposal, then this obligation **shall** be void; otherwise the same **shall** remain in force and effect; it being expressly understood and agreed that the liability of the Surety for any and all claims hereunder **shall**, in no event, exceed the penal amount of this obligation as herein stated.

The Surety, for value received, hereby stipulates and agrees that the obligations of said Surety and its bond **shall** be in no way impaired or affected by any extension of the time within which the City-Parish may accept such Proposal; and said Surety does hereby waive notice of any extension.

IN WITNESS WHEREOF, the Principal and the Surety have hereunto set their hands and seals, the day and year first set forth above.

PRINCIPAL (PROPOSER)

SURETY

(Address)

(Address)

By: _____

By: _____

(Typed Name and Title)

(Typed Name and Title)



**ATTACHMENT B-1
PRICING SCHEDULE**
CITY OF BATON ROUGE
PARISH OF EAST BATON ROUGE

***This form should be sealed in a separate envelope marked “Proposed Costs & Fees.”**

The financial proposal shall include any and all costs the Vendor wishes to have considered in the contractual arrangement with the City-Parish. If quoted as a lump sum, individual rates and itemized costs included in lump sum are to be detailed with proposal submitted. List all pricing details here or in a format similar in nature to this schedule. Include all possible elements of cost, including, but not limited to, **Labor & Staffing; Services, Procedures, & Products; and All Other Elements of Cost.**

Table 1. Analytical Testing and Other Services

Analytical Testing				
Column A Test	Column B Required Turnaround Time	Column C Total Samples Annually	Column D Unit Price	UNIT PRICE EXTENSION (Column C x Column D)
% Solids	14 days	17		
% Solids (Sludge)	14 days	17		
1,1,1,2-Tetrachloroethane	14 days	33		
1,1,1-trichloroethane	14 days	41		
1,1,1-Trichloroethane	5 days	12		
1,1,2,2-tetrachloroethane	14 days	41		
1,1,2,2-Tetrachloroethane	5 days	12		
1,1,2-Trichloroethane	14 days	41		
1,1,2-Trichloroethane	5 days	12		
1,1-dichloroethane	14 days	41		
1,1-Dichloroethane	5 days	12		
1,1-dichloroethylene	14 days	8		
1,1-Dichloroethylene	5 days	12		
1,1-Dichloroethylene	7 days	2		
1,2,3-Trichloropropane	14 days	33		
1,2,4-trichlorobenzene	14 days	8		
1,2,4-Trichlorobenzene	5 days	12		
1,2-Dibromomethane	14 days	33		
1,2-Dibromo-3-chloropropane	14 days	33		
1,2-dichlorobenzene	14 days	41		
1,2-Dichlorobenzene	5 days	12		
1,2-dichloroethane	14 days	41		
1,2-Dichloroethane	5 days	12		
1,2-Dichloroethane	7 days	2		
1,2-dichloropropane	14 days	41		
1,2-Dichloropropane	5 days	12		
1,2-diphenylhydrazine (as azobenzene)	14 days	8		
1,2-Diphenylhydrazine (as azobenzene)	5 days	12		
1,2-trans-dichloroethylene	14 days	8		
1,2-trans-Dichloroethylene	5 days	12		
1,3-dichlorobenzene	14 days	8		

Analytical Testing				
Column A Test	Column B Required Turnaround Time	Column C Total Samples Annually	Column D Unit Price	UNIT PRICE EXTENSION (Column C x Column D)
1,3-Dichlorobenzene	5 days	12		
1,3-dichloropropylene	14 days	8		
1,3-Dichloropropylene	5 days	12		
1,4.Dichlorobenzene	14 days	41		
1,4-Dichlorobenzene	5 days	12		
1,4-Dichlorobenzene	7 days	2		
2-(2,4,5-trichlorophenoxy)propionic acid	14 days	8		
2,3,7,8-tetrachlorodibenzo-p-dioxin	14 days	8		
2,3-dichlorophenol	14 days	8		
2,4,5-Trichlorophenol	7 days	4		
2,4,6-Trichlorophenol	5 days	12		
2,4,6-Trichlorophenol	14 days	16		
2,4-dichlorophenol	14 days	8		
2,4-Dichlorophenol	5 days	12		
2,4-dichlorophenoxyacetic acid (2,4-D)	7 days	10		
2,4-dichlorophenoxyacetic acid (2,4-D)	14 days	18		
2,4-dimethylphenol	14 days	8		
2,4-Dimethylphenol	5 days	12		
2,4-dinitrophenol	14 days	8		
2,4-Dinitrophenol	5 days	12		
2,4-dinitrotoluene	14 days	8		
2,4-dinitrotoluene	5 days	12		
2,4-Dinitrotoluene	7 days	2		
2,5-dichlorophenol	14 days	8		
2,6-dichlorophenol	14 days	8		
2,6-dinitrotoluene	14 days	8		
2,6-dinitrotoluene	5 days	12		
2·Hexanone	14 days	33		
2-chloroethyl vinyl ether	14 days	8		
2-Chloroethyl vinyl ether	5 days	12		
2-chloronaphthalene	14 days	8		
2-Chloronaphthalene	5 days	12		
2-chlorophenol	14 days	8		
2-Chlorophenol	5 days	12		
2-Methylphenol	7 days	2		
2-nitrophenol	14 days	8		
2-Nitrophenol	5 days	12		
3,3'-dichlorobenzidine	14 days	8		
3,3'-Dichlorobenzidine	5 days	12		
3,4-benzofluoranthene	14 days	8		
3,4-Benzofluoranthene	5 days	12		

Analytical Testing				
Column A Test	Column B Required Turnaround Time	Column C Total Samples Annually	Column D Unit Price	UNIT PRICE EXTENSION (Column C x Column D)
3,4-dichlorophenol	14 days	8		
3-chlorophenol	14 days	8		
3-Methylphenol	7 days	2		
4,4'-DDD	14 days	8		
4,4'-DDE	14 days	8		
4,4'-DDT	14 days	8		
4,6-dinitro-o-cresol	14 days	8		
4,6-Dinitro-o-cresol	5 days	12		
4-bromophenyl phenyl ether	14 days	8		
4-Bromophenyl phenyl ether	5 days	12		
4-chlorophenol	14 days	8		
4-chlorophenyl phenyl ether	14 days	8		
4-Chlorophenyl phenyl ether	5 days	12		
4-Methylphenol	7 days	2		
4-nitrophenol	14 days	8		
4-Nitrophenol	5 days	12		
Acenaphthene	14 days	8		
Acenaphthene	5 days	12		
Acenaphthylene	14 days	8		
Acenaphthylene	5 days	12		
Acetone	14 days	33		
Acrolein	14 days	8		
Acrolein	5 days	12		
Acrylonitrile	14 days	41		
Acrylonitrile	5 days	12		
Aldrin	14 days	8		
Alpha-BHC	14 days	8		
Alpha-endosulfan	14 days	8		
Ammonia Nitrogen, total (as N)	14 days	164		
Anthracene	14 days	8		
Anthracene	5 days	12		
Antimony, Total	14 days	41		
Aroclor 1016	7 days	4		
Aroclor 1221	7 days	2		
Aroclor 1232	7 days	2		
Aroclor 1242	7 days	2		
Aroclor 1248	7 days	2		
Aroclor 1254	7 days	2		
Aroclor 1260	7 days	2		
Arsenic	14 days	12		
Arsenic	7 days	2		

Analytical Testing				
Column A Test	Column B Required Turnaround Time	Column C Total Samples Annually	Column D Unit Price	UNIT PRICE EXTENSION (Column C x Column D)
Arsenic, Total	14 days	41		
Atrazine	14 days	20		
Barium	7 days	2		
Barium (and compounds)	14 days	33		
Benzene	14 days	41		
Benzene	5 days	12		
Benzene	7 days	2		
Benzidine	14 days	8		
Benzidine	5 days	12		
Benzo(a)anthracene	14 days	8		
Benzo(a)anthracene	5 days	12		
Benzo(a)pyrene	14 days	8		
Benzo(a)pyrene	5 days	12		
Benzo(ghi)perylene	14 days	8		
Benzo(ghi)perylene	5 days	12		
Benzo(k)fluoranthene	14 days	8		
Benzo(k)fluoranthene	5 days	12		
Benzoic Acid	14 days	4		
Beryllium, Total (as Be)	14 days	41		
Beta-BHC	14 days	8		
Beta-endosulfan	14 days	8		
Biochemical Oxygen Demand	14 days	38		
Biochemical Oxygen Demand	6 days	2232		
Biomonitoring, Coefficient of Variation, 48-Hour Acute, Daphnia pulex	14 days	8		
Biomonitoring, Coefficient of Variation, 48-Hour Acute, Pimephales promelas	14 days	8		
Biomonitoring, Coefficient of Variation, 7- Day Chronic, Ceiodaphina dubia	14 days	4		
Biomonitoring, Coefficient of Variation, 7- Day Chronic, Pimephales promelas	14 days	4		
Biomonitoring, Low Flow Pass/Fail Lethality Static Renewal. 7-day Chronic, Ceiodaphina dubia	14 days	4		
Biomonitoring, Low Flow Pass/Fail Lethality Static Renewal. 7-day Chronic, Pimephales promelas	14 days	4		
Biomonitoring, Low Flow Pass/Fail Static Renewal, 48-Hour Acute, Daphnia pulex	14 days	8		
Biomonitoring, Low Flow Pass/Fail Static Renewal, 48-Hour Acute, Pimephales Promelas	14 days	8		

Analytical Testing				
Column A Test	Column B Required Turnaround Time	Column C Total Samples Annually	Column D Unit Price	UNIT PRICE EXTENSION (Column C x Column D)
Biomonitoring, NOEC Lethality Static Renewal, 48-Hour Acute, Daphnia pulex	14 days	8		
Biomonitoring, NOEC Lethality Static Renewal, 48-Hour Acute, Pimephales promelas	14 days	8		
Biomonitoring, NOEC Lethality Static Renewal. 7-day Chronic, Ceiodaphina dubia	14 days	4		
Biomonitoring, NOEC Lethality Static Renewal. 7-day Chronic, Pimephales promelas	14 days	4		
Biomonitoring, NOEC Sub-Lethality Static Renewal. 7-day Chronic, Ceiodaphina dubia	14 days	4		
Biomonitoring, NOEC Sub-Lethality Static Renewal. 7-day Chronic, Pimephales promelas	14 days	4		
Biomonitoring, Pass/Fail Static Renewal, 7- day Chronic, Ceiodaphina dubia	14 days	4		
Biomonitoring, Pass/Fail Static Renewal, 7- day Chronic, Pimephales promelas	14 days	4		
Biomonitoring, Whole Effluent Toxicity, Ceiodaphina dubia Lethal & Sub-Lethal	14 days	4		
Bis(2-chloro-1-methylethyl)ether	14 days	8		
Bis(2-chloroethoxy)methane	14 days	8		
Bis(2-chloroethoxy)methane	5 days	12		
Bis(2-chloroethyl)ether	14 days	8		
Bis(2-chloroethyl)ether	5 days	12		
Bis(2-chloroisopropyl)ether	14 days	8		
Bis(2-chloroisopropyl)ether	5 days	12		
Bis(2-ethylhexyl)phthalate	5 days	12		
Bis(2-ethylhexyl)phthalate	14 days	16		
Bromoform	14 days	41		
Bromoform	5 days	12		
Butylbenzyl phthalate	14 days	8		
Butylbenzyl phthalate	5 days	12		
Cadmium	7 days	2		
Cadmium, Total	14 days	53		
Carbazole	14 days	8		
Carbazole	5 days	12		
Carbon disulfide	14 days	33		
Carbon tetrachloride	14 days	41		
Carbon tetrachloride	5 days	12		

Analytical Testing				
Column A Test	Column B Required Turnaround Time	Column C Total Samples Annually	Column D Unit Price	UNIT PRICE EXTENSION (Column C x Column D)
Carbon Tetrachloride	7 days	2		
Carbonaceous Biochemical Oxygen Demand (CBOD5)	14 days	152		
Chemical Oxygen Demand	14 days	188		
Chemical Oxygen Demand	7 days	10		
Chemical Oxygen Demand	5 days	12		
Chlordane	14 days	8		
Chloride	14 days	43		
Chloride	7 days	10		
Chlorine	14 days	20		
Chlorobenzene	14 days	41		
Chlorobenzene	5 days	12		
Chlorobenzene	7 days	2		
Chlorobromomethane	14 days	33		
Chlorodibromomethane	14 days	41		
Chlorodibromomethane	5 days	12		
Chloroethane	14 days	41		
Chloroethane	5 days	12		
Chloroform	14 days	41		
Chloroform	5 days	12		
Chloroform	7 days	2		
Chromium	14 days	12		
Chromium	7 days	2		
Chromium (3+)	14 days	8		
Chromium (6+)	14 days	8		
Chromium, Total (as Cr)	14 days	143		
Chrysene	14 days	8		
Chrysene	5 days	12		
cis 1,3-Dichloropropylene	14 days	33		
cis-1,2-Dichloroethene	14 days	33		
Cobalt Compounds	14 days	33		
Color (Cobalt-Platinum Units)	14 days	20		
Copper	14 days	12		
Copper, Total (as Cu)	14 days	51		
Cyanide Total	14 days	30		
Cyanide Total	5 days	12		
Delta-BHC	14 days	8		
Dibenzo(a,h)anthracene	14 days	8		
Dibenzo(a,h)anthracene	5 days	12		
Dichlorobromomethane	14 days	41		
Dichlorobromomethane	5 days	12		

Analytical Testing				
Column A Test	Column B Required Turnaround Time	Column C Total Samples Annually	Column D Unit Price	UNIT PRICE EXTENSION (Column C x Column D)
Dichloromethane	14 days	33		
Dieldrin	14 days	8		
Diethyl phthalate	14 days	8		
Diethyl phthalate	5 days	12		
Dimethyl phthalate	14 days	8		
Dimethyl phthalate	5 days	12		
Di-n-butyl phthalate	14 days	8		
Di-n-butyl phthalate	5 days	12		
Di-n-octyl phthalate	14 days	8		
Di-n-octyl phthalate	5 days	12		
Dissolved oxygen	14 days	152		
Dissolved phosphorus	14 days	20		
Endosulfan sulfate	14 days	8		
Endrin	14 days	8		
Endrin aldehyde	14 days	8		
Ethylbenzene	14 days	41		
Ethylbenzene	5 days	12		
Fecal Coliform	1 days	802		
Fecal Coliform	14 days	352		
Fecal Enterococci	5 days	12		
Fecal Streptococci	5 days	12		
Field pH	14 days	108		
Field pH	5 days	12		
Field pH	7 days	20		
Flow (GPD)	14 days	108		
Flow (GPD)	5 days	12		
Flow (GPD)	7 days	20		
Fluoranthene	5 days	12		
Fluoranthene	14 days	16		
Fluorene	14 days	8		
Fluorene	5 days	12		
Gamma-BHC	14 days	8		
Hardness (as CaCO3)	14 days	20		
Heptachlor	14 days	8		
Heptachlor epoxide	14 days	8		
Hexachlorobenzene	14 days	8		
Hexachlorobenzene	5 days	12		
Hexachlorobenzene	7 days	2		
Hexachlorobutadiene	14 days	8		
Hexachlorobutadiene	5 days	12		
Hexachlorobutadiene	7 days	2		

Analytical Testing				
Column A Test	Column B Required Turnaround Time	Column C Total Samples Annually	Column D Unit Price	UNIT PRICE EXTENSION (Column C x Column D)
Hexachlorocyclopentadiene	14 days	8		
Hexachlorocyclopentadiene	5 days	12		
Hexachloroethane	14 days	8		
Hexachloroethane	5 days	12		
Hexachloroethane	7 days	2		
Indeno (1,2,3-cd)pyrene	14 days	8		
Indeno (1,2,3-cd)pyrene	5 days	12		
Iodomethane	14 days	33		
Isophorone	14 days	8		
Isophorone	5 days	12		
Lead	7 days	2		
Lead compounds	14 days	41		
Lead, Total	14 days	8		
Mercury	14 days	12		
Mercury	7 days	2		
Mercury, Total (Low Level)	14 days	8		
Methyl bromide	14 days	41		
Methyl bromide	5 days	12		
Methyl chloride	14 days	41		
Methyl chloride	5 days	12		
Methyl ethyl ketone	14 days	33		
Methyl Ethyl Ketone	7 days	2		
Methyl isobutyl ketone	14 days	33		
Methylene bromide	14 days	33		
Methylene chloride	14 days	8		
Methylene chloride	5 days	12		
Molybdenum	14 days	12		
Naphthalene	14 days	8		
Naphthalene	5 days	12		
n-Decane	5 days	12		
n-Decane	14 days	8		
Nickel	14 days	12		
Nickel, Total	14 days	41		
Nitrate-Nitrite (as Nitrogen)	14 days	152		
Nitrobenzene	14 days	8		
Nitrobenzene	5 days	12		
Nitrobenzene	7 days	2		
N-nitrosodimethylamine	14 days	8		
N-Nitrosodimethylamine	5 days	12		
N-nitrosodi-n-propylamine	14 days	8		
N-Nitrosodi-n-propylamine	5 days	12		

Analytical Testing				
Column A Test	Column B Required Turnaround Time	Column C Total Samples Annually	Column D Unit Price	UNIT PRICE EXTENSION (Column C x Column D)
N-nitrosodiphenylamine	14 days	8		
N-Nitrosodiphenylamine	5 days	12		
n-Octadecane	5 days	12		
n-Octadecane	14 days	8		
Non-Polar Material (SGT-HEM)	14 days	12		
o-Cresol	14 days	8		
o-Cresol (2-methylphenol)	5 days	12		
Oil and Grease	14 days	63		
Oil and Grease	5 days	24		
Paint Filter Test	14 days	2		
PCB-1016	14 days	12		
PCB-1221	14 days	12		
PCB-1232	14 days	12		
PCB-1242	14 days	12		
PCB-1248	14 days	12		
PCB-1254	14 days	12		
PCB-1260	14 days	12		
PCB's-TOTAL	14 days	28		
p-chloro-m-cresol	14 days	8		
p-Chloro-m-cresol	5 days	12		
p-Cresol	14 days	12		
p-Cresol (4-methylphenol)	5 days	12		
Pentachlorophenol	14 days	8		
Pentachlorophenol	5 days	12		
Pentachlorophenol	7 days	2		
*Per-and Polyfluoroalkyl Substances (PFAS)	14 days	TBD		
pH	7 days	2190		
Phenanthrene	14 days	8		
Phenanthrene	5 days	12		
Phenol	14 days	12		
Phenol	5 days	37		
Phenol Total	14 days	22		
Polychlorinated Biphenyls	7 days	2		
Priority Pollutant Scan MS4 (Appendix G)	14 days	10		
Pyrene	14 days	8		
Pyrene	5 days	12		
Pyridine	7 days	2		
Selenium	7 days	2		
Selenium	14 days	12		
Selenium, Total	14 days	41		
Silver	14 days	12		

Analytical Testing				
Column A Test	Column B Required Turnaround Time	Column C Total Samples Annually	Column D Unit Price	UNIT PRICE EXTENSION (Column C x Column D)
Silver	7 days	2		
Sliver, Total (as Ag)	14 days	41		
Styrene	14 days	33		
Sulfate	14 days	53		
Surfactants (MBAs)	5 days	25		
Tetrachloroethylene	14 days	41		
Tetrachloroethylene	5 days	12		
Tetrachloroethylene	7 days	2		
Thallium, Total (as TI)	14 days	41		
Tin	14 days	8		
Toluene	14 days	41		
Toluene	5 days	12		
Total Arsenic	14 days	124		
Total Arsenic	5 days	12		
Total Cadmium	14 days	144		
Total Cadmium	5 days	12		
Total Chromium	14 days	22		
Total Chromium	5 days	12		
Total Cobalt	14 days	8		
Total Copper	14 days	150		
Total Copper	5 days	37		
Total Cyanide	14 days	102		
Total Dissolved Solids	14 days	100		
Total Kjeldahl Nitrogen	14 days	172		
Total Lead	14 days	146		
Total Lead	5 days	12		
Total Mercury (0.0005 ug/ml)	14 days	144		
Total Mercury 0.0005 ug/ml	5 days	12		
Total Molybdenum	14 days	102		
Total Nickel	14 days	144		
Total Nickel	5 days	12		
Total Nitrogen (As N)	14 days	20		
Total Nitrogen (As N)	5 days	8		
Total Organic Carbon	14 days	46		
Total Organic Carbon	5 days	24		
Total Phosphorus (As P)	14 days	162		
Total Phosphorus (As P)	5 days	8		
Total Residual Chlorine	1 day	2190		
Total Residual Chlorine	14 days	25		

Analytical Testing				
Column A Test	Column B Required Turnaround Time	Column C Total Samples Annually	Column D Unit Price	UNIT PRICE EXTENSION (Column C x Column D)
Total Selenium	14 days	102		
Total Silver	14 days	126		
Total Silver	5 days	12		
Total Solids	7 days	2190		
Total Suspended Solids	14 days	208		
Total Suspended Solids	1 day	2222		
Total Toxic Organics (TTO) (Appendix H)	14 days	2		
Total Toxic Organics (TTO) (Appendix H)	5 days	12		
Total Zinc	14 days	150		
Total Zinc	5 days	12		
Toxaphene	14 days	8		
trans-1,2-Dichloroethene	14 days	33		
trans-1,3-Dichloropropene	14 days	33		
trans-1,4-Dichlorobutene-2	14 days	33		
Trichloroethylene	14 days	41		
Trichloroethylene	5 days	12		
Trichloroethylene	7 days	2		
Trichlorofluoromethane	14 days	33		
Turbidity	14 days	80		
Vanadium, Total (as V)	14 days	33		
Vinyl acetate	14 days	33		
Vinyl chloride	14 days	41		
Vinyl chloride	5 days	12		
Vinyl Chloride	7 days	2		
Vinylidene chloride	14 days	33		
Volatile Solids	7 days	2190		
Xylene (mixed isomers)	14 days	33		
Zinc	14 days	12		
Zinc, total (as Zn)	14 days	45		
Method 18 VOC	N/A	2		
Analytical Total				

* Per-and Polyfluoroalkyl Substances (PFAS) are currently not required under the existing LPDES Permits. Sampling for PFAS will likely be required in future LPDES Permits that will be issued during the term of this contract and is therefore being included. For recommended methods and list of analytes, please refer to Appendix I.

Other Services (Weekend and Holiday Pickup from Treatment Plants)			
Column A Description	Column B Quantity, Each*	Column C Unit Price	Unit Price Extension (Column B x Column C)
NWWTP Samples (50 Woodpecker St., Baton Rouge, LA 70807)	114		
SWWTP Samples (2850 Gardere Ln., Baton Rouge, LA 70820)	114		
Other Services Weekends/Holiday Pickups Subtotal			

Other Services (Weekday Pickup from Treatment Plants)			
Column A Description	Column B Quantity, Each*	Column C Unit Price	Unit Price Extension (Column B x Column C)
NWWTP Samples (50 Woodpecker St., Baton Rouge, LA 70807)	251		
SWWTP Samples (2850 Gardere Ln., Baton Rouge, LA 70820)	251		

Other Services (As Needed Weekday Pickup from Environmental Division)			
Column A Description	Column B Quantity, Each*	Column C Unit Price	Unit Price Extension (Column B x Column C)
Environmental Division Samples 12422 Florida Blvd., Baton Rouge, LA 70815 or to the sampling contractor as directed by City Parish)	2006 ¹		
Other Services Weekday Pickups Subtotal			
Sum of Totals (Analytical Total + Other Services Subtotals)			

*Number of pickups are estimated in Column B could vary depending on situations.

NOTE: This financial proposal shall include any and all costs the Proposer wishes to have considered in the contractual arrangement with the City-Parish. The Total Proposal amount listed above should reflect the total of the prices in Table 1.

All supplemental information requested is enclosed or presented in a separate sealed box or envelope.

(SIGNATURE)

(Typed Name and Title)

THE ATTACHED PROPOSER'S ORGANIZATION SHEET MUST BE COMPLETED TO INDICATE WHETHER PROPOSER IS AN INDIVIDUAL, PARTNERSHIP, ETC.

¹ Various will depend on rain events.



ATTACHMENT C
INSURANCE REQUIREMENTS
CITY OF BATON ROUGE
PARISH OF EAST BATON ROUGE

PROPOSER'S AND SUB-CONTRACTOR'S INSURANCE: Proposer and any sub-contractor **shall** carry and maintain, at Proposer's expense at least the minimum insurance as specified below throughout the duration of this contract until completion and acceptance of the work covered by this contract. Proposer **shall** not commence work under this contract until certificates of insurance have been approved by the City-Parish Purchasing Division. Insurance companies listed on certificates must have industry rating of A-, Class VI or higher, according to Best's Key Rating Guide. Proposer is responsible for assuring that its sub-contractors meet these insurance requirements.

A.	Commercial General Liability	General Aggregate	\$2,000,000
		Each Occurrence	\$1,000,000
B.	Business Auto Policy		
	Any Auto; or Owned, Non-Owned, & Hired:	Combined Single Limit	\$1,000,000

- (1) Standard Workers Compensation - Full statutory liability for State of Louisiana with Employer's Liability Coverage.

The City of Baton Rouge, Parish of East Baton Rouge must be named as additional insured on all general liability policies described above.

Professional Liability coverage for errors and omissions is not required, but Parish **shall** have the benefit of any such insurance carried by Proposer.

Certificates must provide for thirty (30) days written notice to Certificate Holder prior to cancellation or change.

The Certificate Holder should be shown as:

City of Baton Rouge, Parish of East Baton Rouge
Attn: Purchasing Division
P.O. Box 1471
Baton Rouge, LA 70821

NOTE TO PROPOSERS:

- (1) **Submit evidence of these Insurance Requirements with all required information set forth in the solicitation documents as your proposal.**
- (2) **Retain the complete set of Specifications and Contract Documents and a copy of the Insurance Forms for your files.**



ATTACHMENT D SAMPLE CONTRACT

Analytical Laboratory Services for Regulatory Compliance Sampling for The City of Baton Rouge/Parish of East Baton Rouge, Department of Environmental Services

CITY OF BATON ROUGE
PARISH OF EAST BATON ROUGE

This contract, made and entered into at Baton Rouge, Louisiana, effective this ____ day of _____, 2024, by and between the City of Baton Rouge, Parish of East Baton Rouge, herein referred to as City-Parish, and _____, herein referred to as "Proposer."

Proposer **shall** provide professional services as described herein for **Analytical Laboratory Services for Regulatory Compliance Sampling for The City of Baton Rouge/Parish of East Baton Rouge, Department of Environmental Services.**

Proposer agrees to proceed, upon written notice of the Purchasing Division, with all professional services necessary for the performance, in proper sequence and in the time specified, of the items of work as hereinafter set forth. Services will be subject to review and administration by the office requesting the service unless designated otherwise by the City-Parish. All services required hereunder will be performed by Proposer or under his supervision and all personnel engaged in the work **shall** be fully qualified and **shall** be authorized or permitted under state and local law to perform such services.

SCOPE OF SERVICES: The services to be rendered by the Proposer for this project **shall** be as follows:

The Scope of Services are as defined per the RFP, attached, and made a part of this agreement.

CONTRACT MODIFICATIONS: No amendment or variation of the terms of this contract **shall** be valid unless made in writing, signed by the parties, and approved as required by law. No oral understanding or agreement not incorporated in the contract is binding on any of the parties.

Changes to the contract include any change in a) compensation; b) beginning/ending date of the contract; c) scope of work; and/or d) Proposer change through the assignment of contract process. Any such changes, once approved, will result in the issuance of an amendment to the contract.

GENERAL REQUIREMENTS: With the exception of the services specifically listed to be furnished by the Parish, if any, Proposer **shall**, for the agreed fees, obtain all data and furnish all services and materials required to provide the contracted services. All items required to accomplish these results, whether or not specifically mentioned in this contract, including attendance by the Proposer or their representatives at conferences and public hearings, are to be furnished at the expense of Proposer.

SERVICES TO BE PERFORMED BY THE CITY-PARISH: The City-Parish will furnish the Proposer without charge all information which it has in its files which may be useful to the Proposer in carrying out this work, as well as assistance in securing data from others to the extent available.

COMPENSATION AND PAYMENT: The City-Parish **shall** pay and Proposer agrees to accept compensation for the professional services to be performed under this contract, at the rates agreed, attached, and made a part of the contract.

The Proposer **shall** be entitled to payment in accordance with the provisions of this paragraph. Proposer **shall** invoice the City-Parish on a monthly basis. The contract will be issued with a maximum (not to exceed) total contract price. Payments will be made by the City-Parish within approximately thirty (30) days after receipt and approval of a properly executed invoice, and approval by the department.

Due to the critical nature of work, the Proposer shall meet all turnaround times included in the executed agreements and attachments. The turnaround time includes posting, or providing directly to City-Parish, final analytical results. The City-Parish will report missed turnaround times and the Proposer has until the end of that business day to provide the testing results at no penalty.

Any samples that miss turnaround times for the Wastewater Treatment Plants and reported Illegal Dumping events will be analyzed at no charge to City-Parish. The City-Parish and Proposer will mutually agree on missed turnaround times regarding samples that are not routinely taken near the beginning of the business day.

Missed holding times that are at no fault to the City-Parish shall also be performed at no charge.

CONTRACT TIME: The term of this contract shall begin on or about April 1, 2024, and shall extend through December 31, 2024. Contract shall have the option to renew, upon mutual agreement, for four (4) additional 1-year options to include contract year 2025, 2026, 2027 and 2028.

COMMENCEMENT OF WORK: No work shall be performed by Proposer and the City-Parish shall not be bound until such time as a Contract is fully executed between the City-Parish and the Proposer and all required approvals are obtained.

OWNERSHIP OF DOCUMENTS: The Proposer shall maintain full and accurate records with respect to all matters covered under this agreement. The City-Parish shall have free access at all proper times to such records, and the right to examine and audit the same and to make transcripts there from, and to inspect all program data, documents, and activities. All records, reports, documents, or other material related to any contract resulting from this RFP and/or obtained or prepared by Proposer in connection with the performance of the services contracted for herein shall become the property of the City-Parish, and shall, upon request, be returned by Proposer to City-Parish, at Proposer's expense, at termination or expiration of this contract.

The Proposer shall maintain all records related to this agreement for a period of at least five (5) years after contract this contract ends.

TERMINATION OR SUSPENSION: The City-Parish may terminate this contract for cause based upon the failure of the Proposer to comply with the terms and/or conditions of the Agreement, or failure to fulfill its performance obligations pursuant to this Agreement, provided that the City-Parish shall give the Proposer written notice specifying the Proposer's failure. If within 30 days after receipt of such notice, the Proposer shall not have either corrected such failure or, in the case of failure which cannot be corrected in 30 days, begun in good faith to correct such failure and thereafter proceeded diligently to complete such correction, then the City-Parish may, at its option, place the Proposer in default and the Agreement shall terminate on the date specified in such notice.

The Proposer may exercise any rights available to it under Louisiana Law to terminate for cause upon the failure of the City-Parish to comply with the terms and conditions of this contract; provided that the Proposer shall give the City-Parish written notice specifying the City-Parish failure and a reasonable opportunity for the City-Parish to cure the defect.

The City-Parish may terminate this Agreement at any time without cause by giving 30 days written notice to the Proposer of such termination or negotiating with the Proposer an effective date.

The Proposer shall be entitled to payment for deliverables in progress, to the extent work has been performed satisfactorily.

Should the City-Parish find it necessary to suspend the work for lack of funding or other circumstances beyond its control, this may be done by 30 days' notice given by the City-Parish in writing to that effect. The work may be reinstated and resumed in full force and effect upon receipt from the City-Parish of 30 days' notice in writing to that effect.

This agreement shall ipso-facto terminate three years after the date of the suspension of the work as provided above if the work has not been reinstated and resumed by notice from the City-Parish during the three-year period, and neither party shall have any further obligation to the other party.

TERMINATION FOR LACK OF APPROPRIATED FUNDS: The City-Parish may terminate this agreement for lack of appropriated funds on the date of the beginning of the first fiscal year for which funds are not appropriated. For services funded by grants, the City-Parish shall have the right to terminate the contract or any issued task order for which funding is terminated.

DISPUTES: Any dispute concerning a question of fact in connection with the work not disposed of by agreement between the parties shall be referred to the Director of Purchasing or his duly authorized representative for determination, whose decision in the matter shall be final and conclusive on the parties to this contract. This disputes clause does not foreclose the rights of the parties with respect to questions of law in connection with decisions provided for in the foregoing sentence.

INDEPENDENT CONTRACTOR OBLIGATION: Proposer shall be an independent contractor under this contract and shall assume all of the rights, obligations and liabilities applicable to him as an independent contractor hereunder. Contractor shall perform all details of the services in a manner consistent with that level of care and skill ordinarily exercised by other professional Contractors under similar circumstances at the time the services are performed, with the City-Parish interested only in the results of the work.

COMPLIANCE WITH APPLICABLE LAWS: Proposer shall procure all permits and licenses applicable to the services to be performed and shall comply with any and all Local, State and Federal laws including those regarding age, citizenship, hours, wages and conditions of employment affecting the service covered by this agreement. Proposer shall pay the contributions measured by wages of his employees required by the Federal Unemployment Tax Act, Federal Insurance Contributions Act, and any other payroll tax as required by law.

INDEMNITY: Proposer agrees to indemnify, defend, and hold harmless the City-Parish from any and all losses, damages, expenses or other liabilities, including but not limited to any claim for personal injury, death, property damage or other liability that may be asserted against the City-Parish by any party which arises or allegedly agents in performing its obligations under this Agreement.

Proposer, its agents, employees and insurer(s) hereby release the City-Parish, its agents, and assigns from any and all liability or responsibility including anyone claiming through or under them by way or subrogation or otherwise for any loss or damage which Proposer, its agents, or insurers may sustain incidental to or in any way related to Proposer's operations under this Agreement.

PERSONAL INTEREST: Proposer covenants that he presently has no interest and shall not acquire any interest, direct or indirect, which would conflict in any manner or degree with the performance of his services hereunder. The Proposer further covenants that in the performance of his contract no person having any such interest shall be employed.

AFFIDAVIT AND CORPORATE RESOLUTION: Proposer shall attest by Affidavit, a sworn statement that this contract was not secured through employment or payment of a solicitor. If Proposer is a corporation, a corporate resolution is furnished as evidence of authority to execute the contract.

CIVIL RIGHTS COMPLIANCE: The Proposer agrees to abide the requirements of the following as applicable: Title VI and Title VII of the Civil Rights Act of 1964, as amended by the Equal Opportunity Act of 1972, Federal Executive Order 11246, the Federal Rehabilitation Act of 1973, as amended the Vietnam Era of 1975, and the Americans with Disabilities Act of 1990. Proposer agrees not to discriminate in its employment practices, and will render services under this Agreement and any contract entered into as a result of this Agreement, without regard to race, color, religion, sex, sexual orientation, national origin, veteran status, political affiliation, or disabilities. Any act of discrimination committed by Proposer, or failure to comply with these statutory obligations when applicable **shall** be grounds for termination of this Agreement and any contract entered into as a result of this agreement.

ADDITIONAL REQUIREMENTS OF FEDERAL GRANT FUNDED PROJECTS: If the project is funded in whole or in part by Federal Grants, Proposer **shall** comply with the Federal Requirements. Proposer **shall** also include these Federal Requirements in any sub-contracts.

TAXES: Any taxes, other than state and local sales and use taxes, from which the City-Parish is exempt, **shall** be assumed to be included within the Proposer's cost.

RIGHT TO AUDIT: The City-Parish or others so designated by the City-Parish, or other lawful entity **shall** have the option to audit all accounts and records directly pertaining to the resulting contract for a period of five (5) years after project acceptance or as required by applicable Local, State and Federal law. Records **shall** be made available during normal working hours for this purpose.

ASSIGNMENT: Assignment of contract, or any payment under the contract, requires the advanced written approval of the City-Parish.

CONFIDENTIALITY: The following provision will apply unless the City-Parish agency statement of work specifically indicates that all information exchanged will be non-confidential:

All financial, statistical, personal, technical and other data and information relating to City-Parish's operations which are designated confidential by the City-Parish and made available to the Proposer in order to carry out this contract, **shall** be protected by the Proposer from unauthorized use and disclosure through the observance of the same or more effective procedural requirements as are applicable to the City-Parish. The identification of all such confidential data and information as well as the City-Parish's procedural requirements for protection of such data and information from unauthorized use and disclosure **shall** be provided by the City-Parish in writing to the Proposer. If the methods and procedures employed by the Proposer for the protection of the Proposer's data and information are deemed by the City-Parish to be adequate for the protection of the City-Parish's confidential information, such methods and procedures may be used, with the written consent of the City-Parish, to carry out the intent of this paragraph. The Proposer **shall** not be required under the provisions of the paragraph to keep confidential any data or information, which is or becomes publicly available, is already rightfully in the Proposer's possession, is independently developed by the Proposer outside the scope of the contract, or is rightfully obtained from third parties.

RECORD RETENTION: The Proposer **shall** maintain all records in relation to this contract for a period of at least five (5) years from contract close-out.

ORDER OF PRECEDENCE: The Request for Proposal (RFP), dated _____, and the Proposer's Proposal, dated _____, are attached hereto and incorporated into this Contract as though fully set forth herein. In the event of an inconsistency between this Contract, the RFP, and/or the Proposer's Proposal, unless otherwise provided herein, the inconsistency **shall** be resolved by giving precedence first to this Contract, then to the RFP and subsequent addenda (if any), and finally, the Proposer's Proposal.

GOVERNING LAW: This Contract shall be governed by and interpreted in accordance with the laws of the State of Louisiana. Venue of any action brought with regard to this Contract shall be in the Nineteenth Judicial District Court, Parish of East Baton Rouge, State of Louisiana.

(A) LIQUIDATED DAMAGES (2 CFR §200.326 Appendix II to Part 200 (A))

- (1) All work to be performed under this AGREEMENT shall be timely commenced. As a breach of this AGREEMENT would cause substantial delay in the completion of the required services affecting the safety and welfare of the public, the parties adopt the following liquidated damages clause.
- (2) Liquidated damages are hereby fixed and agreed upon between the parties, recognizing the impossibility of precisely ascertaining the amount of damages that will be sustained by the GOVERNMENT as a consequence of such delay in performance. PROPOSER acknowledges and agrees that damages to GOVERNMENT from untimely performance are extremely difficult to determine, and accordingly, the PROPOSER agrees that the amount of liquidated damages provided for herein is the nearest and most exact measure of damages for such delays.
 - (a) Failure of the PROPOSER to meet the mobilization requirements under this AGREEMENT: \$250.00 per calendar day.
 - (b) The GOVERNMENT is authorized to deduct liquidated damage amounts from the monies due to PROPOSER for the work under this AGREEMENT, or as much thereof as the GOVERNMENT may, at its own option, deem just and reasonable.

(B) EQUAL EMPLOYMENT OPPORTUNITY CLAUSE (2 CFR §200.326 Appendix II to Part 200 (C))

If applicable to the work and services performed by PROPOSER under the AGREEMENT, during the performance of the AGREEMENT, PROPOSER shall comply with the Equal Employment Opportunity Clause (41CFR 60-1.4(b)):

1. PROPOSER will not discriminate against any employee or applicant for employment because of race, color, religion, sex, or national origin. PROPOSER will take affirmative action to ensure that applicants are employed, and that employees are treated during employment without regard to their race, color, religion, sex, or national origin. Such action shall include, but not be limited to the following: Employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. Proposer agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provided setting forth the provisions of this nondiscrimination clause.
2. PROPOSER will, in all solicitations or advertisements for employees placed by or on behalf of the PROPOSER, state that all qualified applicants will receive considerations for employment without regard to race, color, religion, sex, or national origin.
3. PROPOSER will send to each labor union or representative of workers with which it has a collective bargaining agreement or other agreement or understanding, a notice to be provided advising the said labor union or workers' representatives of the PROPOSER'S commitments under this section, and shall post copies of the notice in conspicuous places available to employees and applicants for employment.
4. PROPOSER will comply with all provisions of Executive Order 11246 of September 24, 1965, and of the rules, regulations, and relevant orders of the Secretary of Labor.

5. PROPOSER will furnish all information and reports required by Executive Order 11246 of September 24, 1965, and by rules, regulations, and orders of the Secretary of Labor for purpose of investigation to ascertain compliance with such rules, regulations, and orders.
6. In the event of the PROPOSER'S noncompliance with the nondiscrimination clauses of this AGREEMENT or with any of the said rules, regulations or orders, this AGREEMENT may be canceled, terminated, or suspended in whole or in part and the PROPOSER may be declared ineligible for further government contracts or federally assisted construction contracts in accordance with procedures authorized in Executive Order 11246 of September 24, 1965, and such other sanctions may be imposed and remedies invoked as provided in Executive Order 11246 of September 24, 1965, or by rule, regulation, or order of the Secretary of Labor, or as otherwise provided by law.
7. PROPOSER will include the portion of the sentence immediately preceding paragraph (1) and the provisions of subparagraphs 1 through 7 in every subcontract or purchase order unless exempted by rules, regulations, or orders of the Secretary of Labor issued pursuant to section 204 of Executive Order 11246 of September 24, 1965, so that such provisions will be binding upon each sub-contractor or contractor. PROPOSER will take such action with respect to any subcontract or purchase order as the administering agency may direct as a means of enforcing such provisions, including sanctions for noncompliance.

If applicable to the work and services performed by PROPOSER under the parties' AGREEMENT:

Bacon-Davis Act: Applicable to construction or repair of public buildings or public works. See FEMA Hazard Mitigation Assistance Guidance, Part VI. D.9, page 88;

Copeland "Anti-Kickback" Act: In contracts subject to the Davis-Bacon Act, PROPOSER shall comply with the Copeland "Anti-Kickback" Act (40 U.S.C. §3145), as supplemented by Department of Labor regulations (29 CFR Part 3, "Contractors and Subcontractors on Public Building or Public Work Financed in Whole or in Part by loans or Grants from the United States"). The Act provides that the Contractor and subcontractor must be prohibited from inducing, by any means, any person employed in the construction, completion, or repair of public work, to give up any part of the compensation to which he or she is otherwise entitled. The GOVERNMENT must report all suspected or reported violations to the appropriate Federal agency.

If applicable to the work and services under the parties' AGREEMENT:

- (a) PROPOSER shall comply with 18 U.S.C. § 874, 40 U.S.C. § 3145, and the requirements of 29 C.F.R. pt. 3 as may be applicable, which are incorporated by reference into this AGREEMENT.
 - (b) PROPOSER or sub-contractor shall insert in any subcontract the clause above and such other clauses as FEMA may by appropriate Instructions require, and also a clause requiring the sub-contractors to include these clauses in any lower tier subcontracts. The PROPOSER shall be responsible for the compliance by any sub-contractor or lower tier subcontract with all of these contract clauses.
 - (c) A breach of the AGREEMENT clause above may be grounds for termination of the AGREEMENT, and for debarment as a Proposer and sub-contractor as provided in 29 C.F.R. §5.12.
- CONTRACT WORK HOURS AND SAFETY STANDARDS ACT (2 CFR §200.326 Appendix II to Part 200 (E)) (40 U.S.C. 3701-3708)

Contracts in excess of \$100,000 that involve the employment of mechanics or laborers shall comply with 40 U.S.C. 3702 and 3704, as supplemented by Department of Labor regulations (29 CFR Part 5). Under 40 U.S.C. 3702 of the Act, each Proposer and its sub-contractors shall compute the wages of every mechanic and laborer on the basis of a standard work week of 40 hours. Work in excess of the standard work week is

permissible provided that the worker is compensated at a rate of not less than one and a half times the basic rate of pay for all hours worked in excess of 40 hours in the work week.

- (1) Overtime requirements. No Proposer or sub-contractor contracting for any part of the contract work which may require or involve the employment of laborers or mechanics shall require or permit any such laborer or mechanic in any workweek in which he or she is employed on such work to work in excess of forty hours in such workweek unless such laborer or mechanic receives compensation at a rate not less than one and one-half times the basic rate of pay for all hours worked in excess of forty hours in such workweek.
- (2) Violation: Liability for Unpaid Wages: Liquidated Damages. In the event of any violation of the clause set forth in paragraph (I) of this section, the Proposer and any sub-contractor responsible therefor shall be liable for the unpaid wages. In addition, such Proposer and sub-contractor shall be liable to the United States (in the case of work done under contract for the District of Columbia or a territory, to such District or to such territory), for liquidated damages. Such liquidated damages shall be computed with respect to each individual laborer or mechanic, including watchmen and guards, employed in violation of the clause set forth in paragraph (I) of this section, in the sum of \$10 for each calendar day on which such individual was required or permitted to work in excess of the standard workweek of forty hours without payment of the overtime wages required by the clause set forth in paragraph (I) of this section.
- (3) Withholding for Unpaid Wages and Liquidated Damages. The GOVERNMENT shall upon its own action or upon written request of an authorized representative of the Department of Labor withhold or cause to be withheld, from any moneys payable on account of work performed by the Proposer or sub-contractor under any such contract or any other Federal contract with the same prime contractor, or any other federally-assisted contract subject to the Contract Work Hours and Safety Standards Act, which is held by the same prime contractor, such sums as may be determined to be necessary to satisfy any liabilities of such contractor or sub-contractor for unpaid wages and liquidated damages as provided in the clause set forth in paragraph (2) of this section.
- (4) The Proposer and sub-contractor shall insert in any subcontract the clauses set forth in paragraphs (1) through (4) of this section and also a clause requiring the sub-contractors to include these clauses in any lower tier subcontracts.

- RIGHTS TO INVENTIONS MADE UNDER A CONTRACT OR AGREEMENT (2 CFR §200.326 Appendix 11 to Part 200 (F))

If applicable to the work and services performed by PROPOSER under the parties' AGREEMENT and if the Federal award meets the definition of "funding agreement" under 37 CFR §401.2 (a) and the GOVERNMENT wishes to enter into a contract with a small business firm or nonprofit organization regarding the substitution of parties, assignment or performance of experimental, developmental, or research work under that "funding agreement," the GOVERNMENT must comply with the requirements of 37 CFR Part 401, "Rights to Inventions Made by Nonprofit Organizations and Small Business."

- CLEAN AIR ACT AND FEDERAL WATER POLLUTION CONTROL ACT (2 CFR §200.326 Appendix II to Part 200 (G))

PROPOSER shall comply with all applicable standards, orders or regulations issued pursuant to the Clean Air Act (42 U.S.C. 7401-7671q.) and the Federal Water Pollution Control Act as amended (33 U.S.C. 1251-1387). Violations must be reported to the Federal awarding agency and the Regional Office of the Environmental Protection Agency (EPA).

PROPOSER shall include the foregoing requirements in each subcontract exceeding \$100,000.

- ENERGY EFFICIENCY AND CONSERVATION (2 CFR §200.326 Appendix II to Part 200 (H))

If applicable to the work and services performed by PROPOSER under the parties' AGREEMENT, PROPOSER shall comply with the mandatory standards and policies of the state regulation promulgated in accordance with the Energy Policy and Conservation Act (42 U.S.C. § 6201).

- DEBARMENT AND SUSPENSION (2 CFR §200.326 Appendix II to Part 200 (I))
 1. This AGREEMENT is a covered transaction for purposes of 2 C.F.R. pt. 180 and 2 C.F.R. pt. 3000. As such, the PROPOSER is required to verify that none of the Proposer, its principals (defined at 2 C.F.R. § 180.995), or its affiliates (defined at 2 C.F.R. § 180.905) are excluded (defined at 2 C.F.R. § 180.940) or disqualified (defined at 2 C.F.R. § 180.935).
 2. The PROPOSER must comply with 2 C.F.R. pt. 180, subpart C and 2 C.F.R. pt. 3000, subpart C and must include a requirement to comply with these regulations in any lower tier covered transaction it enters into.
 3. This certification is a material representation of fact relied upon by GOVERNMENT. If it is later determined that the PROPOSER did not comply with 2 C.F.R. pt. 180, subpart C and C.F.R. pt. 3000, subpart C, in addition to remedies available to GOVERNMENT, the Federal government may pursue available remedies, including but not limited to suspension and/or debarment.
 4. The PROPOSER agrees to comply with the requirements of 2 C.F.R. pt. 180, subpart C and 2 C.F.R. pt. 3000, subpart C AGREEMENT is valid and throughout the period of performance. The PROPOSER further agrees to include a provision requiring such compliance in its lower tier covered transactions.

BYRD ANTI-LOBBYING AMENDMENT (2 CFR §200.326 Appendix II to Part 200 (J))

PROPOSER must file with the GOVERNMENT the required certification. Each tier certifies to the tier above that it will not and has not used Federal appropriated funds to pay any person or organization for influencing or attempting to influence an officer or employee of any agency, a member of Congress, officer or employee of Congress, or an employee of a member of Congress in connection with obtaining any Federal contract, grant or any other award covered by 31 U.S.C. 1352. Each tier must also disclose any lobbying with non-Federal funds that takes place in connection with obtaining any Federal award. Such disclosures are forwarded from tier to tier up to the non-Federal award. If not provided with the bid response, PROPOSER must complete and submit the Certification Regarding Lobbying Form.

- PROCUREMENT OF RECOVERED MATERIALS (2 CFR §200.326 Appendix II to Part 200 (K) and 2 CFR §200.322)
- In the performance of this contract, the Proposer shall make maximum use of products containing recovered materials that are EPA-designated items unless the product cannot be acquired-
 - Competitively within a timeframe providing for compliance with the contract performance schedule;
 - Meeting contract performance requirements; or
 - At a reasonable price.
- 3. Information about this requirement is available at EPA's Comprehensive Procurement Guidelines web site, <http://www.epa.gov/cpg/>. The list of EPA-designate items is available at <http://www.epa.gov/cpg/products/htm>.
- 1. AGREEMENTING WITH SMALL AND MINORITY BUSINESSES, WOMEN'S BUSINESS ENTERPRISES, AND LABOR SURPLUS AREA FIRMS (2 CFR §200.321)

Should the PROPOSER subcontract any of the work under this AGREEMENT, PROPOSER shall take the following affirmative steps: place qualified small and minority businesses and women's business enterprises on solicitation lists; assure that small and minority businesses, and women's business enterprises are solicited whenever they are potential sources; divide total requirements, when economically feasible, into smaller tasks or quantities to permit maximum participation by small and minority businesses, and women's business enterprises; establish delivery schedules, where the requirement permits, which encourage participation by small and minority businesses, and women's business enterprises; and use the services and assistance, as appropriate, of such organizations as the Small Business Administration and the Minority Business Development Agency of the Department of Commerce.

1. ACCESS TO RECORDS

1. PROPOSER agrees to provide GOVERNMENT, the FEMA Administrator, the Comptroller General of the United States, or any of their authorized representative's access to any books, documents, papers, and records of the Proposer which are directly pertinent to this AGREEMENT for the purposes of making audits, examinations, excerpts, and transcriptions.
2. PROPOSER agrees to permit any of the foregoing parties to reproduce by any means whatsoever or to copy excerpts and transcriptions as reasonably needed.
3. PROPOSER agrees to provide the FEMA Administrator or his authorized representative's access to construction or other work sites pertaining to the work being completed under the contract.

(K) COMPLIANCE WITH FEDERAL LAW, REGULATIONS, AND EXECUTIVE ORDERS

This is an acknowledgement that FEMA financial assistance will be used to fund the AGREEMENT only. If applicable to the work and services performed by PROPOSER under the AGREEMENT, the PROPOSER will comply will all federal law, regulations, executive orders, FEMA policies, procedures, and directives.

(L) NO OBLIGATION BY FEDERAL GOVERNMENT

The Federal Government is not a party to this AGREEMENT and is not subject to any obligations or liabilities to GOVERNMENT, PROPOSER, or any other party pertaining to any matter resulting from the contract.

(M) PROGRAM FRAUD AND FALSE OR FRAUDULENT STATEMENTS OR RELATED ACTS

PROPOSER acknowledges that 31 U.S.C. Chap. 38 (Administrative Remedies for False Claims and Statements) applies to the PROPOSER'S actions pertaining to this contract.

Governing Law

This Agreement and the rights and obligations of the parties hereto shall be governed by, and construed according to the laws of the State of Louisiana, except as specifically noted.

COMPLETE CONTRACT

This is the complete Contract between the parties with respect to the subject matter and all prior discussions and negotiations are merged into this contract. This contract is entered into with neither party relying on any statement or representation made by the other party not embodied in this contract and there are no other agreements or understanding changing or modifying the terms. This Contract **shall** become effective upon final approval by both parties.

IN WITNESS WHEREOF, the City-Parish and Proposer have executed this contract effective as of the date first written above.

WITNESSES:

CITY OF BATON ROUGE, PARISH OF EAST BATON ROUGE:

By _____

Title _____
Typed Name and Title

PROPOSER:

By _____

Title _____

Typed Name and Title

DISADVANTAGED BUSINESS ENTERPRISE INCLUSION

The City-Parish's Socially and Economically Disadvantaged Business Enterprise Program ("the Program") is made part of this contract and incorporated hereto as if copied in extensor. For these services, the EBR Parish Purchasing office has directed a review of the scope of work and has established a minimum EBE goal of 4% of the contract amount.

PART I – POLICY/ COMPLIANCE

(A) The City-Parish strongly encourages the acquisition of goods and services from and direct participation of Eligible Business Enterprise ("EBEs"). The term EBE **shall** have the meaning set forth in the City-Parish's Socially and Economically Disadvantaged Business Enterprise Certification Program.

The Program is a race- and gender-neutral program intended to provide additional contracting and procurement opportunities for certified small, disadvantaged, woman-owned, minority-owned, veteran-owned, and service-disabled veteran-owned business enterprises by encouraging contractors who receive City-Parish contracts to use good-faith efforts to utilize such certified entities in the performance of those contracts. The City-Parish desires to achieve, to the greatest extent possible, commercially meaningful and useful participation by EBEs. By providing equitable opportunities for EBEs, the City-Parish derives multiple benefits, including contributing to the economic vitality of our communities and ensuring a broader selection of competitively priced goods and services.

Contractor should present a responsible plan that provides for participation of qualified EBEs. Participation **shall** be counted toward meeting the contract goals only by business entities certified under the City-Parish's Socially and Economically Disadvantaged Business Enterprise Certification Program. The direct participation goal can be achieved through direct ownership, joint venture participation, owner/operator agreements, or subcontract agreements for participation.

If the Contractor does not meet the full EBE goal, then written documentation must be provided showing their good faith efforts to secure EBE participation, the unavailability of potential EBE firms, and provide justification as to why such goals cannot be met that is found to be acceptable to the SEDBE Liaison Officer.

(B) **FAILURE TO COMPLY WITH SEDBE REQUIREMENTS:** All City-Parish contract performers (Prime Contractors, Subcontractors, etc.) are hereby notified that failure to carry out the EBE obligation, as set forth, **shall** constitute a breach of contract. The breach of contract will be reviewed by City-Parish which may result in termination of the contract or other remedies deemed appropriate for the given situation.

(C) **SUBCONTRACTS:** All Prime Contractors, and Subcontractors, hereby **shall** include the following clauses in all contracts that offer further subcontracting opportunities.

The Contractor or Subcontractor **shall** not discriminate on the basis of race, color, national origin, or sex in the performance of this contract. The Contractor **shall** carry out applicable requirements of City-Parish's Socially and Economically Disadvantaged Business Enterprise Program in the award and administration of City-Parish contracts. Failure by the Contractor to carry out these requirements is a material breach of this contract, which may result in the termination of this contract or such other remedy as the recipient (City-Parish) deems appropriate.

The Prime Contractor agrees to pay each Subcontractor under this contract for satisfactory performance of its contract prior to submitting an invoice to the City-Parish for request for payment. This payment will be documented on the Contractor's Monthly Report form that is submitted with each payment request. The Prime Contractor agrees further to return retainage payments to each Subcontractor within 14 days after the Subcontractor's work is satisfactorily completed. Any delay or postponement of payment from the above referenced time frame may occur only for good cause. This clause applies to both EBE and non-EBE Subcontractor(s).

(D) AWARD OF EBE SUBCONTRACTS: The Contractor shall, no later than three (3) business days from the award of a contract, execute formal contracts or purchase orders with the EBE(s) included on Form 1.

(E) COUNTING EBE PARTICIPATION: City-Parish will count EBE participation toward overall and contract goals as provided in City-Parish's Socially and Economically Disadvantaged Business Enterprise Program ("the Program"). City-Parish will only count EBE participation by those EBEs performing commercially useful functions. City-Parish Purchasing Division will not count the participation of EBE Subcontractors toward a Contractor's final compliance with its EBE obligations on a contract until the amount being counted has actually been paid to the EBE.

The Contractor may count its entire expenditure to EBE manufacturers (i.e., a supplier that produces goods from raw materials or substantially alters them before resale). The Contractor may count sixty percent (60%) of its expenditures to EBE suppliers that are not manufacturers, provided that the EBE supplier performs a commercially useful function in the supply process.

A Contractor shall not count the value of any payment made to an EBE for work that was further subcontracted out by the EBE to a non-EBE.

PART II – PROCEDURE TO DETERMINE QUALIFICATION STATEMENT OR PROPOSAL COMPLIANCE

(A) ELIGIBILITY OF SEDBEs: To be counted toward the participation Goals pursuant to the Program, an EBE must be certified by the City-Parish at the time a bid or proposal is submitted. The fact that an EBE is certified does not necessarily mean that it has the qualifications and experience for the type of work required by any particular Contract. The responsibility for determining whether an EBE has the qualifications and experience for the type of work required by the Contract rests with the Contractor. To be deemed an EBE certified entity, firms must complete the City-Parish's certification process. Only EBE certified firms under the City-Parish at the time the Bid opening will count toward the EBE goal.

(B) REPORTING FORMS 1, 1A, AND 2: The following fully completed forms shall be furnished to the City-Parish on a monthly basis. The forms shall have all blank spaces filled in completely and correctly. These forms are as follows:

FORM 1 – EBE RESPONSIVENESS FORM (copy attached): It is the obligation of the Respondent to make good faith efforts to meet the EBE goal. Respondents can demonstrate their good faith efforts either by meeting the contract goal or by documenting good faith efforts taken to obtain EBE participation. The Form 1 shall accurately detail the work proposed by the Respondents to be performed by Respondent and all entities participating in the project and, if it is a bid or proposal, the percent value of that work. If a Respondent is unable to fully meet the EBE goal of this contract, the Respondent shall submit a Form 2 form and all documentation demonstrating the good faith efforts made to comply with the EBE requirements.

FORM 1A - REQUIRED PARTICIPATION QUESTIONNAIRE FORM (copy attached): Form 1A shall accurately detail the work to be performed by each and every firm participating in the project. A Form 1A must be submitted for the Contractor and for each Subcontractor included on Form 1. In addition, each participating EBE firm must submit a current letter of EBE certification along with its Form 1A.

FORM 2 - Good Faith Efforts (copy attached): Form 2 is only required when the prime firm is unable to fully meet the EBE contract goal. Form 2 shall provide documentation of good faith efforts made to obtain EBE participation. Form 2 must be accompanied by supporting documentations such as, but not be limited to, phone logs, facsimiles, and e-mail correspondence with potential EBE firms. Further explanation of good faith efforts may be found in the Instructions for Form 2. It is up to City-Parish or its Designee to make a fair and reasonable judgment whether a Respondent made adequate good faith efforts to achieve the contract goal.

FORM 3 - Monthly Utilization/Participation SEDBE Report (copy attached): Form 3 shall be submitted to the Field Engineer along with monthly payment requests and shall accurately represent the amount paid to EBE Subcontractors during that invoice period. This form must be submitted with every monthly invoice regardless of the amount of payment or lack of payment. The form shall be signed by the Contractor and the SEDBE Subcontractor(s) if payment has been made for that month. SEDBE participations will not be counted toward the Contractor's commitment until payment has been rendered to the SEDBE. Failure to submit the required reports may result in withholding of payment or partial payments to the Contractor until the required forms are submitted.

Appendix A

SEDBE Forms and Procedures

CITY OF BATON ROUGE AND PARISH OF EAST BATON ROUGE

Form 1

EBE Responsiveness Form

INSTRUCTIONS

Column A. Indicate the firm's role: Contractor, subcontractor, manufacturer, regular dealer/supplier, or broker/agent. Note that only 60% of the value of regular dealer/supplier commissions and fees can be counted toward Socially and Economically Disadvantaged Business Enterprise participation. All firms participating EBE and non-EBE , prime and subs) must be included on the form.

Column B. Provide the name and address of the firm.

Column C. Provide the principal contact person and phone number of the firm.

Column D. Describe the work, goods, and/or services to be provided by the firm.

Column E. Indicate the percent value of the amount of work assigned to the firm. Total percent value of work should equal 100% to account for all work being performed on the contract.

Column F. Indicate whether firm is an EBE or non-EBE. EBE-certified means to be certified by the EBRP Socially and Economically Disadvantaged Business Enterprise Program.

CITY OF BATON ROUGE AND PARISH OF EAST BATON ROUGE
Form 2
Good Faith Efforts
INSTRUCTIONS:

If required, attach a completed Form 2 and supporting documents to establish that Good Faith Efforts were undertaken to secure EBE participation:

The following is a list of types of actions which you should consider as part of the Contractor's good faith efforts to obtain EBE participation. It is not intended to be a mandatory checklist, nor is it intended to be exclusive or exhaustive. Other factors or types of efforts may be relevant in appropriate cases.

- A. Conducting market research to identify small business contractors and suppliers and soliciting through all reasonable and available means the interest of all certified EBEs that have the capability to perform the work of the contract. This may include attendance at pre-bid and business matchmaking meetings and events, advertising and/or written notices, posting of Notices of Sources Sought and/or Requests for Proposals, written notices or emails to all DBEs listed in the State's directory of transportation firms that specialize in the areas of work desired (as noted in the DBE directory) and which are located in the area or surrounding areas of the project. The Contractor should solicit this interest as early in the acquisition process as practicable to allow the EBEs to respond to the solicitation and submit a timely offer for the subcontract. The Contractor should determine with certainty if the EBEs are interested by taking appropriate steps to follow up initial solicitations.
- B. Selecting portions of the work to be performed by EBEs in order to increase the likelihood that the EBE goals will be achieved. This includes, where appropriate, breaking out contract work items into economically feasible units (for example, smaller tasks or quantities) to facilitate EBE participation, even when the Contractor might otherwise prefer to perform these work items with its own forces. This may include, where possible, establishing flexible timeframes for performance and delivery schedules in a manner that encourages and facilitates EBE participation.
- C. Providing interested EBEs with adequate information about the plans, specifications, and requirements of the contract in a timely manner to assist them in responding to a solicitation with their offer for the subcontract.
- D. Negotiating in good faith with interested EBEs. It is the Contractor's responsibility to make a portion of the work available to EBE subcontractors and suppliers and to select those portions of the work or material needs consistent with the available EBE subcontractors and suppliers, so as to facilitate EBE participation. Evidence of such negotiation includes the names, addresses, and telephone numbers of EBEs that were considered; a description of the information provided regarding the plans and specifications for the work selected for subcontracting; and evidence as to why additional Agreements could not be reached for EBEs to perform the work.
- E. A Contractor using good business judgment would consider a number of factors in negotiating with subcontractors, including EBE subcontractors, and would take a firm's price and capabilities as well as contract goals into consideration. However, the fact that there may be some additional costs involved in finding and using EBEs is not in itself sufficient reason for a Contractor's failure to meet the contract EBE goal, as long as such costs are reasonable. Also, the ability or desire of a prime contractor to perform the work of a contract with its own organization does not relieve the Contractor of the responsibility to make good faith efforts. Prime contractors are not, however, required to accept higher quotes from EBEs if the price difference is excessive or unreasonable.

- F. Not rejecting EBEs as being unqualified without sound reasons based on a thorough investigation of their capabilities. The contractor's standing within its industry, membership in specific groups, organizations, or associations and political or social affiliations (for example union vs. non-union status) are not legitimate causes for the rejection or non-solicitation of bids in the contractor's efforts to meet the project goal. Another practice considered an insufficient good faith effort is the rejection of the EBE because its quotation for the work was not the lowest received. However, nothing in this paragraph shall be construed to require the Contractor to accept unreasonable quotes in order to satisfy contract goals.
- G. Contractor's inability to find a replacement EBE at the original price is not alone sufficient to support a finding that good faith efforts have been made to replace the original EBE. The fact that the contractor has the ability and/or desire to perform the contract work with its own forces does not relieve the contractor of the obligation to make good faith efforts to find a replacement EBE, and it is not a sound basis for rejecting a prospective replacement EBE's reasonable quote.
- H. Making efforts to assist interested EBEs in obtaining bonding, lines of credit, or insurance as required by the recipient or contractor.
- I. Making efforts to assist interested EBEs in obtaining necessary equipment, supplies, materials, or related assistance or services.
- J. Effectively using the services of available minority/women/veteran community organizations; minority/women/veteran contractors' groups; local, State, and Federal minority/women/veteran business assistance offices; and other organizations as allowed on a case-by-case basis to provide assistance in the recruitment and placement of EBEs.

Form 3
City of Baton Rouge and Parish of East Baton Rouge
Contractor or Consultant Monthly SEDBE Report

INSTRUCTIONS: This report covers the previous estimate period and shall be submitted to the Project Manager Representative or Project Inspector with the current month's pay estimate. The Prime firm shall prepare one form for each EBE firm participating in the project. Questions should be directed to the City of Baton Rouge and Parish of East Baton Rouge Purchasing Division through the assigned project manager. **Signatures from EBE firms who received payment during the reporting period are required.** No signature is required if no payments were made to the EBE firm during the reporting period. **If actual EBE item of work is different than that approved at the time of award, the Substitution Form must be completed (If you have not already done so).**

PRIME FIRM INFORMATION:

Prime Firm Name		Phone Number	
Project Name			
City Parish Project No.		State Project No	
Project Start Date		Est. Project Completion Date	
Original Contract Amount \$	Change Orders (count)	Current Contract Value \$	EBE Commitment _____ %
Invoice Number	Report Period Begin Date	Report Period End Date	

SUBCONTRACTOR INFORMATION:

EBE Subcontractor		
EBE Contact		EBE Phone Number
Original Subcontract Amount \$	Original Commitment to Firm _____ %	Current Subcontract Value \$
Amount Paid to Sub This Period \$	Amount Paid to Sub to Date \$	
Scheduled Date of Sub Services (or state ongoing)	Estimated Date of Completion of Sub Services	
Item Number/Description of Work Performed by Sub		

By signing below, I attest that the information provided is complete accurate, and true to the best of my knowledge.

Prime Firm's Authorized Signature: _____ Date: _____

Print name: _____ Title: _____

Subcontractor's Authorized Signature: _____ Date: _____

Print name: _____ Title: _____

I certify that the contracting records and on-site performance of the EBE has been monitored. If actual EBE item of work is different than that approved at the time of award, the Substitution Form must be completed.

Project Manager Representative/Inspector's Signature: _____ Date: _____

Print name: _____ Title: _____

EBRP Project Manager or SEDBELO has reviewed this form.

SEDBELO's or Authorized Owner's Representative's Signature: _____ Date: _____

FAIR CHANCE ORDINANCE

Requires Fair Chance hiring standards for person, corporations, and entities in a contract, cooperative endeavor agreement, or grant with the City of Baton Rouge, Parish of East Baton Rouge by limiting the consideration of criminal history of an applicant, and to provide otherwise with respect hereto.

Section 1

A contractor **shall** not request from the applicant their criminal history before the contractor extends a conditional offer of employment.

Section 2

All contracts **shall** include a certification that the contractor has complied with the provisions of the fair chance ordinance.

Section 3

The applicant will acknowledge in writing that a background check will be performed before a final offer of employment.

Section 4

Section 1 does not apply if consideration of an applicant's criminal history is required by law.

Section 5

The Purchasing department is the enforcing agency and **shall** establish a procedure for complaint.

Section 6

The Fair Chance ordinance **shall** not apply to the following City Parish departments: Human Resources, Police, Constable, Fire Department, Emergency Medical Services, Juvenile Services, and Metro Airport.

Section 7

The ordinance **shall** be effective May 5, 2023 following adoption and **shall** apply to contracts executed on or after the effective date EXCLUDING renewals to contracts awarded in response to an Request for Proposal (RFP), a Request for Qualifications (RFQ) or awarded by the Engineers or Architectural Selection Boards. The ordinance **shall** not apply to any agreements executed before the effective date of this ordinance.

The signature below certifies that the signer has carefully examined the above and is in full compliance with the terms listed.

Date

Authorized Signature

Authorized Name (Printed)

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ATTACHMENT E
PERMITS AND LOCATIONS OF SAMPLING SITES
 CITY OF BATON ROUGE
 PARISH OF EAST BATON ROUGE

PERMIT #	FACILITY NAME	ADDRESS
MAJOR WASTEWATER TREATMENT PLANTS		
LA0036412	South Wastewater Treatment Plant	2850 Gardere Lane Baton Rouge, LA 70820
LA0036439	North Wastewater Treatment Plant	50 Woodpecker Street Baton Rouge, LA 70807
SATELLITE WASTEWATER PACKAGE PLANTS		
LAG530178	Chaneyville Community Center	13211 Jackson Road Zachary, LA 70791
LAG570139	Shadow Oaks Subdivision	2100 Jon Michelle Drive Baton Rouge, LA 70815
LAG540279	Lake Jolie Vue	Treakle Drive Zachary, LA 70791
LAG530179	Pleasant Park Subdivision	2300 Pony Street Zachary, LA 70791
NORTH LANDFILL		
LA0086169	North Landfill	16001 Samuels Road Zachary, LA 70791
MUNICIPAL SEPARATE STORM SEWER SYSTEM (MS4)		
LAS000101	Municipal Separate Storm Sewer System (MS4)	Parish Wide



ATTACHMENT F
ANALYTICAL SCHEDULE
 CITY OF BATON ROUGE
 PARISH OF EAST BATON ROUGE

Test	Frequency	Total Per Event	Required
			Turnaround Time
Major Wastewater Treatment Plants (LPDES)			
<i>Water Samples</i>			
Biochemical Oxygen Demand	Daily	6	6 days
Total Suspended Solids	Daily	6	1 day
Fecal Coliform	Daily	2	1 day
Toxicity - Daphnia Pulex	Quarterly (4x/Year)	2	7 days
Toxicity - Pimephales promelas	Quarterly (4x/Year)	2	7 days
Total Phosphorus (As P)	Quarterly (4x/Year)	2	5 days
Total Nitrogen (As N)	Quarterly (4x/Year)	2	5 days
Biomonitoring, Coefficient of Variation, 48-Hour Acute, Daphnia pulex	Quarterly (4x/Year)	2	14 days
Biomonitoring, Coefficient of Variation, 48-Hour Acute, Pimephales promelas	Quarterly (4x/Year)	2	14 days
Biomonitoring, Low Flow Pass/Fail Static Renewal, 48-Hour Acute, Daphnia pulex	Quarterly (4x/Year)	2	14 days
Biomonitoring, Low Flow Pass/Fail Static Renewal, 48-Hour Acute, Pimephales promelas	Quarterly (4x/Year)	2	14 days
Biomonitoring, NOEC Lethality Static Renewal, 48-Hour Acute, Daphnia pulex	Quarterly (4x/Year)	2	14 days
Biomonitoring, NOEC Lethality Static Renewal, 48-Hour Acute, Pimephales promelas	Quarterly (4x/Year)	2	14 days
Biomonitoring, Coefficient of Variation, 7-Day Chronic, Ceiodaphina dubia	Quarterly (4x/Year)	2	14 days
Biomonitoring, Coefficient of Variation, 7-Day Chronic, Pimephales promelas	Quarterly (4x/Year)	2	14 days
Biomonitoring, Low Flow Pass/Fail Lethality Static Renewal. 7-day Chronic, Ceiodaphina dubia	Quarterly (4x/Year)	2	14 days
Biomonitoring, Low Flow Pass/Fail Lethality Static Renewal. 7-day Chronic, Pimephales promelas	Quarterly (4x/Year)	2	14 days
Biomonitoring, NOEC Lethality Static Renewal. 7-day Chronic, Ceiodaphina dubia	Quarterly (4x/Year)	2	14 days
Biomonitoring, NOEC Lethality Static Renewal. 7-day Chronic, Pimephales			

promelas			
Biomonitoring, NOEC Sub-Lethality Static Renewal. 7-day Chronic, Ceiodaphina dubia	Quarterly (4x/Year)	2	14 days
Biomonitoring, NOEC Sub-Lethality Static Renewal. 7-day Chronic, Pimephales promelas	Quarterly (4x/Year)	2	14 days
Biomonitoring, Pass/Fail Static Renewal, 7-day Chronic, Ceiodaphina dubia	Quarterly (4x/Year)	2	14 days
Biomonitoring, Pass/Fail Static Renewal, 7-day Chronic, Pimephales promelas	Quarterly (4x/Year)	2	14 days
Biomonitoring, Whole Effluent Toxicity, Ceiodaphina dubia Lethal & Sub-Lethal	Quarterly (4x/Year)	2	14 days
Total Cyanide	Biannually (2x/Year)	4	14 days
Fluoride	Biannually (2x/Year)	2	14 days
Nitrate-N	Biannually (2x/Year)	2	14 days
Antimony	Biannually (2x/Year)	4	14 days
Arsenic	Biannually (2x/Year)	4	14 days
Barium	Biannually (2x/Year)	2	14 days
Beryllium	Biannually (2x/Year)	4	14 days
Cadmium	Biannually (2x/Year)	4	14 days
Chromium	Biannually (2x/Year)	4	14 days
Chromium III	Biannually (2x/Year)	4	14 days
Copper	Biannually (2x/Year)	4	14 days
Lead	Biannually (2x/Year)	4	14 days
Mercury	Biannually (2x/Year)	4	14 days
Molybdenum	Biannually (2x/Year)	4	14 days
Nickel	Biannually (2x/Year)	4	14 days
Selenium	Biannually (2x/Year)	4	14 days
Silver	Biannually (2x/Year)	4	14 days
Thallium	Biannually (2x/Year)	4	14 days
Zinc	Biannually (2x/Year)	4	14 days
Chromium VI	Biannually (2x/Year)	4	14 days
Total Phenols	Biannually (2x/Year)	4	14 days
Volatile Organics (See Appendix I – CWA Methods for list)	Biannually (2x/Year)	4	14 days
Base/Neutrals and Acids (See Appendix I – CWA Methods for list)	Biannually (2x/Year)	4	14 days

Dioxins (2,3,7,8-TCDD)	Biannually (2x/Year)	4	14 days
Pesticides (See Appendix I – CWA Methods for list)	Biannually (2x/Year)	4	14 days
Polychlorinated Biphenyls	Biannually (2x/Year)	4	14 days
<i>Sludge Samples All sludge samples should follow SW-846 Methods</i>			
Total Solids	Daily	6	1 day
Volatile Solids	Daily	6	1 day
TCLP			
2-Methylphenol	Annually (1x/Year)	2	7 days
3-Methylphenol	Annually (1x/Year)	2	7 days
4-Methylphenol	Annually (1x/Year)	2	7 days
Pentachlorophenol	Annually (1x/Year)	2	7 days
2,4,5-Trichlorophenol	Annually (1x/Year)	2	7 days
2,4,6-Trichlorophenol	Annually (1x/Year)	2	7 days
1,4-Dichlorobenzene	Annually (1x/Year)	2	7 days
2,4-Dinitrotoluene	Annually (1x/Year)	2	7 days
Hexachlorobenzene	Annually (1x/Year)	2	7 days
Hexachlorobutadiene	Annually (1x/Year)	2	7 days
Hexachloroethane	Annually (1x/Year)	2	7 days
Nitrobenzene	Annually (1x/Year)	2	7 days
Pyridine	Annually (1x/Year)	2	7 days
Benzene	Annually (1x/Year)	2	7 days
Carbon Tetrachloride	Annually (1x/Year)	2	7 days
Chlorobenzene	Annually (1x/Year)	2	7 days
Chloroform	Annually (1x/Year)	2	7 days
1,2-Dichloroethane	Annually (1x/Year)	2	7 days
1,1-Dichloroethylene	Annually (1x/Year)	2	7 days
Methyl Ethyl Ketone	Annually (1x/Year)	2	7 days
Tetrachloroethylene	Annually (1x/Year)	2	7 days
Trichloroethylene	Annually (1x/Year)	2	7 days
Vinyl Chloride	Annually (1x/Year)	2	7 days
Arsenic	Annually (1x/Year)	2	7 days
Barium	Annually (1x/Year)	2	7 days
Cadmium	Annually (1x/Year)	2	7 days
Chromium	Annually (1x/Year)	2	7 days
Lead	Annually (1x/Year)	2	7 days
Mercury	Annually (1x/Year)	2	7 days
Selenium	Annually (1x/Year)	2	7 days
Silver	Annually (1x/Year)	2	7 days
Aroclor 1016	Annually (1x/Year)	2	7 days
Aroclor 1221	Annually (1x/Year)	2	7 days
Aroclor 1232	Annually (1x/Year)	2	7 days
Aroclor 1242	Annually (1x/Year)	2	7 days

Aroclor 1248	Annually (1x/Year)	2	7 days
Aroclor 1254	Annually (1x/Year)	2	7 days
Aroclor 1260	Annually (1x/Year)	2	7 days
Aroclor 1016	Annually (1x/Year)	2	7 days
Chlordane	Annually (1x/Year)	2	7 days
Endrin	Annually (1x/Year)	2	7 days
Gamma-BHC	Annually (1x/Year)	2	7 days
Heptachlor	Annually (1x/Year)	2	7 days
Heptachlor epoxide	Annually (1x/Year)	2	7 days
Methoxychlor	Annually (1x/Year)	2	7 days
Toxaphene	Annually (1x/Year)	2	7 days
2,4-D	Annually (1x/Year)	2	7 days
2,4,5-TP (Silvex)	Annually (1x/Year)	2	7 days
Paint Filter Test	Annually (1x/Year)	2	7 days
Polychlorinated Biphenyls	Annually (1x/Year)	2	7 days
Total Metals			
Arsenic	Bi-monthly (6x/Year)	2	14 days
Cadmium	Bi-monthly (6x/Year)	2	14 days
Chromium	Bi-monthly (6x/Year)	2	14 days
Copper	Bi-monthly (6x/Year)	2	14 days
Lead	Bi-monthly (6x/Year)	2	14 days
Mercury	Bi-monthly (6x/Year)	2	14 days
Molybdenum	Bi-monthly (6x/Year)	2	14 days
Nickel	Bi-monthly (6x/Year)	2	14 days
Selenium	Bi-monthly (6x/Year)	2	14 days
Silver	Bi-monthly (6x/Year)	2	14 days
Zinc	Bi-monthly (6x/Year)	2	14 days
Satellite Wastewater Treatment Package Plants (LPDES)			
Biochemical Oxygen Demand	Monthly (12x/Year)	1	6 days
Total Suspended Solids	Monthly (12x/Year)	1	1 day
Fecal Coliform	Monthly (12x/Year)	1	1 day
Biochemical Oxygen Demand	Quarterly (4x/Year)	1	6 days
Total Suspended Solids	Quarterly (4x/Year)	1	1 day
Fecal Coliform	Quarterly (4x/Year)	1	1 day
Biochemical Oxygen Demand	Biannually (2x/Year)	2	6 days
Total Suspended Solids	Biannually (2x/Year)	2	1 day
Fecal Coliform	Biannually (2x/Year)	2	1 day

Industrial Pretreatment Program - Significant Industrial Users			
2,4,6-Trichlorophenol	-	8	14 days
Acid Extractable	-	4	14 days
Total Arsenic	-	22	14 days
Base Neutral	-	4	14 days
Biochemical Oxygen Demand	-	28	14 days
Bis(2-ethylhexyl)phthalate	-	8	14 days
Total Cadmium	-	22	14 days
Carbazole	-	8	14 days
Chemical Oxygen Demand	-	26	14 days
Total Chromium	-	22	14 days
Total Cobalt	-	8	14 days
Total Copper	-	28	14 days
Cyanide Total	-	22	14 days
Fluoranthene	-	8	14 days
Total Lead	-	24	14 days
Total Mercury 0.0005 ug/ml	-	22	14 days
n-Decane	-	8	14 days
Total Nickel	-	22	14 days
n-Octadecane	-	8	14 days
Non-Polar Material (SGT-HEM)	-	12	14 days
o-Cresol	-	8	14 days
Oil and Grease	-	28	14 days
p-Cresol	-	8	14 days
Phenol Total	-	14	14 days
Total Silver	-	24	14 days
Tin	-	8	14 days
Total Organic Carbon	-	26	14 days
Total Suspended Solids	-	28	14 days
Total Toxic Organics	-	2	14 days
Volatiles	-	4	14 days
Total Zinc	-	28	14 days
Industrial Pretreatment Program - Illegal Dumping Investigation			
Total Organic Carbon	-	12	5 days
Oil and Grease	-	12	5 days
Total Toxic Organics (TTO) (Appendix H)	-		5 days
Acrolein	-	12	5 days
Acrylonitrile	-	12	5 days
Benzene	-	12	5 days
Bromoform	-	12	5 days
Carbon tetrachloride	-	12	5 days
Chlorobenzene	-	12	5 days

Chlorodibromomethane	-	12	5 days
Chloroethane	-	12	5 days
2-Chloroethyl vinyl ether	-	12	5 days
Chloroform	-	12	5 days
Dichlorobromomethane	-	12	5 days
1,1-Dichloroethane	-	12	5 days
1,2-Dichloroethane	-	12	5 days
1,1-Dichloroethylene	-	12	5 days
1,2-Dichloropropane	-	12	5 days
1,3-Dichloropropylene	-	12	5 days
Ethylbenzene	-	12	5 days
Methyl bromide	-	12	5 days
Methyl chloride	-	12	5 days
Methylene chloride	-	12	5 days
1,1,2,2-Tetrachloroethane	-	12	5 days
Tetrachloroethylene	-	12	5 days
Toluene	-	12	5 days
1,2-trans-Dichloroethylene	-	12	5 days
1,1,1-Trichloroethane	-	12	5 days
1,1,2-Trichloroethane	-	12	5 days
Trichloroethylene	-	12	5 days
Vinyl chloride	-	12	5 days
2-Chlorophenol	-	12	5 days
o-Cresol (2-methylphenol)	-	12	5 days
p-Cresol (4-methylphenol)	-	12	5 days
2,4-Dichlorophenol	-	12	5 days
2,4-Dimethylphenol	-	12	5 days
4,6-Dinitro-o-cresol	-	12	5 days
2,4-Dinitrophenol	-	12	5 days
2-Nitrophenol	-	12	5 days
4-Nitrophenol	-	12	5 days
p-Chloro-m-cresol	-	12	5 days
Pentachlorophenol	-	12	5 days
Phenol	-	12	5 days
2,4,6-Trichlorophenol	-	12	5 days
Acenaphthene	-	12	5 days
Acenaphthylene	-	12	5 days
Anthracene	-	12	5 days
Benzidine	-	12	5 days
Benzo(a)anthracene	-	12	5 days
Benzo(a)pyrene	-	12	5 days
3,4-Benzofluoranthene	-	12	5 days
Benzo(ghi)perylene	-	12	5 days
Benzo(k)fluoranthene	-	12	5 days
Bis(2-chloroethoxy)methane	-	12	5 days

Bis(2-chloroethyl)ether	-	12	5 days
Bis(2-chloroisopropyl)ether	-	12	5 days
Bis(2-ethylhexyl)phthalate	-	12	5 days
4-Bromophenyl phenyl ether	-	12	5 days
Butylbenzyl phthalate	-	12	5 days
Carbazole	-	12	5 days
2-Chloronaphthalene	-	12	5 days
4-Chlorophenyl phenyl ether	-	12	5 days
Chrysene	-	12	5 days
n-Decane	-	12	5 days
Dibenzo(a,h)anthracene	-	12	5 days
1,2-Dichlorobenzene	-	12	5 days
1,3-Dichlorobenzene	-	12	5 days
1,4-Dichlorobenzene	-	12	5 days
3,3'-Dichlorobenzidine	-	12	5 days
Diethyl phthalate	-	12	5 days
Dimethyl phthalate	-	12	5 days
Di-n-butyl phthalate	-	12	5 days
2,4-dinitrotoluene	-	12	5 days
2,6-dinitrotoluene	-	12	5 days
Di-n-octyl phthalate	-	12	5 days
1,2-Diphenylhydrazine (as azobenzene)	-	12	5 days
Fluoranthene	-	12	5 days
Fluorene	-	12	5 days
Hexachlorobenzene	-	12	5 days
Hexachlorobutadiene	-	12	5 days
Hexachlorocyclopentadiene	-	12	5 days
Hexachloroethane	-	12	5 days
Indeno (1,2,3-cd)pyrene	-	12	5 days
Isophorone	-	12	5 days
Naphthalene	-	12	5 days
Nitrobenzene	-	12	5 days
N-Nitrosodimethylamine	-	12	5 days
N-Nitrosodi-n-propylamine	-	12	5 days
N-Nitrosodiphenylamine	-	12	5 days
n-Octadecane	-	12	5 days
Phenanthrene	-	12	5 days
Pyrene	-	12	5 days
1,2,4-Trichlorobenzene	-	12	5 days
Total Arsenic	-	12	5 days
Total Cadmium	-	12	5 days
Total Chromium	-	12	5 days
Biochemical Oxygen Demand	-	12	5 days
Chemical Oxygen Demand	-	12	5 days
Oil and Grease	-	12	5 days

Total Organic Carbon	-	12	5 days
Total Suspended Solids	-	12	5 days
Cyanide Total	-	12	5 days
Total Zinc	-	12	5 days
Total Nickel	-	12	5 days
Total Silver	-	12	5 days
Total Copper	-	12	5 days
Total Lead	-	12	5 days
Total Mercury 0.0005 ug/ml	-	12	5 days
North Landfill Groundwater Monitoring	<i>All groundwater monitoring should follow SW-846 Methods</i>		
1,1,1,2-Tetrachloroethane	Triannually (3x/Year)	11	14 days
1,1,1-Trichloroethane	Triannually (3x/Year)	11	14 days
1,1,2,2-Tetrachloroethane	Triannually (3x/Year)	11	14 days
1,1,2-Trichloroethane	Triannually (3x/Year)	11	14 days
1,1-Dichloroethane	Triannually (3x/Year)	11	14 days
1,2,3-Trichloropropane	Triannually (3x/Year)	11	14 days
1,2-Dibromo-3-chloropropane	Triannually (3x/Year)	11	14 days
1,2-Dibromomethane (1,2-Dibromoethane)	Triannually (3x/Year)	11	14 days
1,2-Dichlorobenzene	Triannually (3x/Year)	11	14 days
1,2-Dichloroethane	Triannually (3x/Year)	11	14 days
1,2-Dichloropropane	Triannually (3x/Year)	11	14 days
1,4-Dichlorobenzene	Triannually (3x/Year)	11	14 days
2-Hexanone	Triannually (3x/Year)	11	14 days
Acetone	Triannually (3x/Year)	11	14 days
Acrylonitrile	Triannually (3x/Year)	11	14 days
Antimony (and compounds)	Triannually (3x/Year)	11	14 days
Arsenic (and compounds)	Triannually (3x/Year)	11	14 days
Barium (and compounds)	Triannually (3x/Year)	11	14 days
Benzene	Triannually (3x/Year)	11	14 days
Beryllium, Total (as Be)	Triannually (3x/Year)	11	14 days
Bromoform	Triannually (3x/Year)	11	14 days
Cadmium (and compounds)	Triannually (3x/Year)	11	14 days
Carbon disulfide	Triannually (3x/Year)	11	14 days
Carbon tetrachloride	Triannually (3x/Year)	11	14 days
Chlorobenzene	Triannually (3x/Year)	11	14 days
Chlorobromomethane (Bromochloromethane)	Triannually (3x/Year)	11	14 days
Chlorodibromomethane	Triannually (3x/Year)	11	14 days
Chloroethane	Triannually (3x/Year)	11	14 days
Chloroform	Triannually (3x/Year)	11	14 days
Chromium, Total (as Cr)	Triannually (3x/Year)	11	14 days
Cobalt Compounds	Triannually (3x/Year)	11	14 days
Copper, Total (as Cu)	Triannually (3x/Year)	11	14 days
Dichlorobromomethane	Triannually (3x/Year)	11	14 days
Dichloromethane	Triannually (3x/Year)	11	14 days

Iodomethane	Triannually (3x/Year)	11	14 days
Lead compounds	Triannually (3x/Year)	11	14 days
Methyl bromide	Triannually (3x/Year)	11	14 days
Methyl chloride	Triannually (3x/Year)	11	14 days
Methyl ethyl ketone	Triannually (3x/Year)	11	14 days
Methyl isobutyl ketone	Triannually (3x/Year)	11	14 days
Methylene bromide	Triannually (3x/Year)	11	14 days
Nickel (and compounds)	Triannually (3x/Year)	11	14 days
Selenium (and compounds)	Triannually (3x/Year)	11	14 days
Sliver, Total (as Ag)	Triannually (3x/Year)	11	14 days
Styrene	Triannually (3x/Year)	11	14 days
Tetrachlorethylene	Triannually (3x/Year)	11	14 days
Thallium, Total (as TI)	Triannually (3x/Year)	11	14 days
Toluene	Triannually (3x/Year)	11	14 days
Trichloroethylene	Triannually (3x/Year)	11	14 days
Trichlorofluoromethane	Triannually (3x/Year)	11	14 days
Vanadium, Total (as V)	Triannually (3x/Year)	11	14 days
Vinyl acetate	Triannually (3x/Year)	11	14 days
Vinyl chloride	Triannually (3x/Year)	11	14 days
Vinylidene chloride	Triannually (3x/Year)	11	14 days
Xylene (mixed isomers)	Triannually (3x/Year)	11	14 days
Zinc (and compounds)	Triannually (3x/Year)	11	14 days
cis 1,3-Dichloropropylene	Triannually (3x/Year)	11	14 days
cis-1,2-Dichloroethene	Triannually (3x/Year)	11	14 days
trans-1,2-Dichloroethene	Triannually (3x/Year)	11	14 days
trans-1,3-Dichloropropene	Triannually (3x/Year)	11	14 days
trans-1,4-Dichlorobutene-2	Triannually (3x/Year)	11	14 days
Ethylbenzene	Triannually (3x/Year)	11	14 days
Chloride	Triannually (3x/Year)	11	14 days
Sulfate	Triannually (3x/Year)	11	14 days
SSO Program Project			
Fecal Streptococci	Quarterly (4x/Year)	1	5 days
Fecal Enterococci	Quarterly (4x/Year)	1	5 days
North Landfill LPDES Permit Outfall 002			
Carbon, total organic	Annually (1x/Year)	1	14 days
Oil and Grease	Annually (1x/Year)	1	14 days
Total Suspended Solids (TSS)	Quarterly (4x/Year)	1	14 days
North Landfill LPDES Permit Outfall 003			
Carbon, total organic	Annually (1x/Year)	1	14 days
Oil and Grease	Annually (1x/Year)	1	14 days
Total Suspended Solids	Quarterly (4x/Year)	1	14 days

North Landfill LPDES Permit Outfall 004a			
Carbon, total organic	Monthly (12x/Year)	1	14 days
COD (high level)	Monthly (12x/Year)	1	14 days
Oil and Grease	Monthly (12x/Year)	1	14 days
Total Suspended Solids	Monthly (12x/Year)	1	14 days
North Landfill LPDES Permit Outfall 009			
Ammonia Nitrogen, Total (as N)	Monthly (12x/Year)	1	14 days
Benzoic Acid	Quarterly (4x/Year)	1	14 days
Carbon, total organic	Annually (1x/Year)	1	14 days
Oil and Grease	Annually (1x/Year)	1	14 days
p-Cresol	Quarterly (4x/Year)	1	14 days
Phenol	Quarterly (4x/Year)	1	14 days
Total Suspended Solids	Quarterly (4x/Year)	1	14 days
Zinc, Total (as Zn)	Quarterly (4x/Year)	1	14 days
North Landfill LPDES Permit Outfall 010			
Carbon, total organic	Quarterly (4x/Year)	1	14 days
Total Suspended Solids	Quarterly (4x/Year)	1	14 days
Industrial Pretreatment Program - Establishment of Local Limits - NWWTP			
Total Arsenic	Single Event 17 consecutive days	3	14 days
Total Cadmium	Single Event 17 consecutive days	3	14 days
Chromium Total	Single Event 17 consecutive days	3	14 days
Total Copper	Single Event 17 consecutive days	3	14 days
Total Cyanide	Single Event 17 consecutive days	3	14 days
Total Lead	Single Event 17 consecutive days	3	14 days
Total Nickel	Single Event 17 consecutive days	3	14 days
Total Mercury (0.0005ug/ml)	Single Event 17 consecutive days	3	14 days
Total Molybdenum	Single Event 17 consecutive days	3	14 days
Total Selenium	Single Event 17 consecutive days	3	14 days
Total Silver	Single Event 17 consecutive days	3	14 days
Total Zinc	Single Event 17 consecutive days	3	14 days
% Solids	Single Event 17 consecutive days	1	14 days
Industrial Pretreatment Program - Establishment of Local Limits - SWWTP			
Total Arsenic	Single Event 17 consecutive days	3	14 days
Total Cadmium	Single Event 17 consecutive days	3	14 days
Chromium Total	Single Event 17 consecutive days	3	14 days
Total Copper	Single Event 17 consecutive days	3	14 days
Total Cyanide	Single Event 17 consecutive days	3	14 days
Total Lead	Single Event 17 consecutive days	3	14 days
Total Nickel	Single Event 17 consecutive days	3	14 days

Total Mercury (0.0005 ug/ml)	Single Event 17 consecutive days	3	14 days
Total Molybdenum	Single Event 17 consecutive days	3	14 days
Total Selenium	Single Event 17 consecutive days	3	14 days
Total Silver	Single Event 17 consecutive days	3	14 days
Total Zinc	Single Event 17 consecutive days	3	14 days
% Solids (Sludge)	Single Event 17 consecutive days	1	14 days
Municipal Separate Storm Sewer – MS4 Major Outfalls 001-010			
Biochemical Oxygen Demand (BOD5)	Semiannually (2x/Year)	10	14 days
2,4-D	Semiannually (2x/Year)	10	14 days
Atrazine	Semiannually (2x/Year)	10	14 days
Chemical Oxygen Demand (COD)	Semiannually (2x/Year)	10	14 days
Chlorides	Semiannually (2x/Year)	10	14 days
Chlorine	Semiannually (2x/Year)	10	14 days
Color (Cobalt-Platinum Units)	Semiannually (2x/Year)	10	14 days
Dissolved Phosphorus	Semiannually (2x/Year)	10	14 days
Fecal Coliform	Semiannually (2x/Year)	10	14 days
Hardness (as CaCO3)	Semiannually (2x/Year)	10	14 days
Oil and Grease	Semiannually (2x/Year)	10	14 days
Priority Pollutant Scan (See Appendix G)	Semiannually (2x/Year)	10	14 days
Sulfates	Semiannually (2x/Year)	10	14 days
Total Cadmium	Semiannually (2x/Year)	10	14 days
Total Copper	Semiannually (2x/Year)	10	14 days
Total Dissolved Solids	Semiannually (2x/Year)	10	14 days
Total Kjeldahl Nitrogen	Semiannually (2x/Year)	10	14 days
Total Lead	Semiannually (2x/Year)	10	14 days
Total Mercury	Semiannually (2x/Year)	10	14 days
Total Nickel	Semiannually (2x/Year)	10	14 days
Total Nitrogen	Semiannually (2x/Year)	10	14 days
Total PCBs	Semiannually (2x/Year)	10	14 days
Total Phosphorus	Semiannually (2x/Year)	10	14 days
Total Suspended Solids	Semiannually (2x/Year)	10	14 days
Total Zinc	Semiannually (2x/Year)	10	14 days
MS4 – Dry and Wet Weather Screening			
Total Copper	As Needed	25	5 days
Total Phenols	As Needed	25	5 days
Total Residual Chlorine	As Needed	25	5 days
Surfactants (MBAs)	As Needed	25	5 days
MS4 – 303(d) / TMDL			
Subsegment 040102			
Fecal Coliform	Quarterly (4x/Year)	9	14 days
Total Dissolved Solids	Quarterly (4x/Year)	9	14 days
Total Suspended Solids	Quarterly (4x/Year)	9	14 days
Turbidity	Quarterly (4x/Year)	9	14 days

Subsegment 040103			
Fecal Coliform	Quarterly (4x/Year)	12	14 days
Subsegment 040201			
Fecal Coliform	Quarterly (4x/Year)	23	14 days
Dissolved Oxygen	Quarterly (4x/Year)	23	
Carbonaceous Biochemical Oxygen Demand (CBOD5)	Quarterly (4x/Year)	23	14 days
Chemical Oxygen Demand (COD)	Quarterly (4x/Year)	23	14 days
Ammonia (as N)	Quarterly (4x/Year)	23	14 days
Phosphorus (as P), Total	Quarterly (4x/Year)	23	14 days
Total Kjeldahl Nitrogen (TKN)	Quarterly (4x/Year)	23	14 days
Nitrate-Nitrite (as Nitrogen)	Quarterly (4x/Year)	23	14 days
Subsegment 040202			
Fecal Coliform	Quarterly (4x/Year)	10	14 days
Dissolved Oxygen	Quarterly (4x/Year)	10	14 days
Carbonaceous Biochemical Oxygen Demand (CBOD5)	Quarterly (4x/Year)	10	14 days
Chemical Oxygen Demand (COD)	Quarterly (4x/Year)	10	14 days
Ammonia (as N)	Quarterly (4x/Year)	10	14 days
Phosphorus (as P), Total	Quarterly (4x/Year)	10	14 days
Total Kjeldahl Nitrogen (TKN)	Quarterly (4x/Year)	10	14 days
Nitrate-Nitrite (as Nitrogen)	Quarterly (4x/Year)	10	14 days
Subsegment 040302			
Fecal Coliform	Quarterly (4x/Year)	20	14 days
Subsegment 040306			
Total Dissolved Solids	Quarterly (4x/Year)	11	14 days
Total Suspended Solids	Quarterly (4x/Year)	11	14 days
Turbidity	Quarterly (4x/Year)	11	14 days
Subsegment 070502			
Fecal Coliform	Quarterly (4x/Year)	9	14 days
Subsegment 070503			
Dissolved Oxygen	Quarterly (4x/Year)	1	14 days
Carbonaceous Biochemical Oxygen Demand (CBOD5)	Quarterly (4x/Year)	1	14 days
Chemical Oxygen Demand (COD)	Quarterly (4x/Year)	1	14 days
Ammonia (as N)	Quarterly (4x/Year)	1	14 days
Phosphorus (as P), Total	Quarterly (4x/Year)	1	14 days
Total Kjeldahl Nitrogen (TKN)	Quarterly (4x/Year)	1	14 days
Nitrate-Nitrite (as Nitrogen)	Quarterly (4x/Year)	1	14 days
PCB-1016 (Aroclor 1016)	Quarterly (4x/Year)	1	14 days
PCB-1221 (Aroclor 1221)	Quarterly (4x/Year)	1	14 days
PCB-1232 (Aroclor 1232)	Quarterly (4x/Year)	1	14 days
PCB-1242 (Aroclor 1242)	Quarterly (4x/Year)	1	14 days
PCB-1248 (Aroclor 1248)	Quarterly (4x/Year)	1	14 days
PCB-1254 (Aroclor 1254)	Quarterly (4x/Year)	1	14 days
PCB-1260 (Aroclor 1260)	Quarterly (4x/Year)	1	14 days

Subsegment 070504			
Dissolved Oxygen	Quarterly (4x/Year)	4	14 days
Carbonaceous Biochemical Oxygen Demand (CBOD5)	Quarterly (4x/Year)	4	14 days
Chemical Oxygen Demand (COD)	Quarterly (4x/Year)	4	14 days
Ammonia (as N)	Quarterly (4x/Year)	4	14 days
Phosphorus (as P), Total	Quarterly (4x/Year)	4	14 days
Total Kjeldahl Nitrogen (TKN)	Quarterly (4x/Year)	4	14 days
Nitrate-Nitrite (as Nitrogen)	Quarterly (4x/Year)	4	14 days



ATTACHMENT G
PRIORITY POLLUTANT LIST (MQLs)
 CITY OF BATON ROUGE
 PARISH OF EAST BATON ROUGE

	Required MQL, <i>ug/L</i>
<i>TABLE II</i>	
VOLATILES	
Acrolein	50
Acrylonitrile	20
Benzene	10
Bromoform	10
Carbon tetrachloride	2
Chlorobenzene	10
Chlorodibromomethane	10
Chloroethane	50
2-chloroethyl vinyl ether	10
Chloroform	10
cis-1,3-Dichloropropene (cis-1,3-Dichloropropylene)	10
trans-1,3-Dichloropropene (trans-1,3-Dichloropropylene)	10
Dichlorobromomethane	10
1,1-dichloroethane	10
1,2-dichloroethane	10
1,1-dichloroethylene	10
1,2-dichloropropane	10
1,3-dichloropropylene	10
Ethylbenzene	10
Methyl bromide	50
Methyl chloride	50
Methylene chloride	20
para-dichlorobenzene	-----
1,1,2,2-tetrachloroethane	10
Tetrachloroethylene	10
Toluene	10
1,2-trans-dichloroethylene	10
1,1,1-trichloroethane	10
1,1,2-trichloroethane	10
Trichloroethylene	10
Vinyl chloride	10
ACID COMPOUNDS	
2-chlorophenol	10

3-chlorophenol	10
4-chlorophenol	10
2,4-dichlorophenol	10
2,3-dichlorophenol	10
2,5-dichlorophenol	10
2,6-dichlorophenol	10
3,4-dichlorophenol	10
2,4-dimethylphenol	10
4,6-dinitro-o-cresol	50
2,4-dinitrophenol	50
2-nitrophenol	20
4-nitrophenol	50
p-chloro-m-cresol	10
Pentachlorophenol	5
Phenol	10
2,4,6-trichlorophenol	10
PESTICIDES	
Aldrin	0.01
Alpha-BHC	0.05
Beta-BHC	0.05
Gamma-BHC	0.05
Delta-BHC	0.05
Chlordane	0.2
4,4'-DDT	0.02
4,4'-DDE	0.1
4,4'-DDD	0.1
2,4-dichlorophenoxyacetic acid	10
2-(2,4,5-trichlorophenoxy)propionic acid	4
Dieldrin	0.02
Alpha-endosulfan	0.01
Beta-endosulfan	0.02
Endosulfan sulfate	0.1
Endrin	0.02
Endrin aldehyde	0.1
Heptachlor	0.01
Heptachlor epoxide	0.01
PCB-1242	0.2
PCB-1254	0.2
PCB-1221	0.2
PCB-1232	0.2
PCB-1248	0.2

PCB-1260	0.2
PCB-1016	0.2
PCB's-TOTAL	0.2
2,3,7,8-tetrachlorodibenzo-p-dioxin	0.00001
Toxaphene	0.3
BASE/NEUTRAL COMPOUNDS	
Acenaphthene	10
Acenaphthylene	10
Anthracene	10
Benzidine	50
Benzo(a)anthracene	5
Benzo(a)pyrene	5
3,4-benzofluoranthene	10
Benzo(ghi)perylene	20
Benzo(k)fluoranthene	5
Bis(2-chloroethoxy)methane	10
Bis(2-chloroethyl)ether	10
Bis(2-chloro-1-methylethyl)ether	10
Bis(2-chloroisopropyl)ether	10
Bis(2-ethylhexyl)phthalate	10
4-bromophenyl phenyl ether	10
Butylbenzyl phthalate	10
2-chloronaphthalene	10
4-chlorophenyl phenyl ether	10
Chrysene	5
Dibenzo(a,h)anthracene	5
1,2-dichlorobenzene	10
1,3-dichlorobenzene	10
1,4-dichlorobenzene	10
3,3'-dichlorobenzidine	5
Diethyl phthalate	10
Dimethyl phthalate	10
Di-n-butyl phthalate	10
2,4-dinitrotoluene	10
2,6-dinitrotoluene	10
Di-n-octyl phthalate	10
1,2-diphenylhydrazine (as azobenzene)	20
Fluoranthene	10
Fluorene	10
Hexachlorobenzene	5
Hexachlorobutadiene	10

Hexachlorocyclopentadiene	10
Hexachloroethane	20
Indeno (1,2,3-cd)pyrene	5
Isophorone	10
Naphthalene	10
Nitrobenzene	10
N-nitrosodimethylamine	50
N-nitrosodi-n-propylamine	20
N-nitrosodiphenylamine	20
Phenanthrene	10
Pyrene	10
1,2,4-trichlorobenzene	10
<i>TABLE III</i>	
METALS CYANIDE and PHENOLS	
Antimony, Total	60
Arsenic, Total	5
Beryllium, Total	0.5
Cadmium, Total	1
Chromium (3+)	10
Chromium (6+)	10
Chromium, Total	10
Copper, Total	3
Lead, Total	2
Mercury, Total (Low Level)	0.0005/0.005
Molybdenum	30
Nickel, Total	5
Selenium, Total	5
Silver, Total	0.5
Thallium, Total	0.5
Zinc, Total	20
Cyanide, Total	10
Phenols, Total	5



ATTACHMENT H
TOTAL TOXIC ORGANICS (TTO) LIST
CITY OF BATON ROUGE
PARISH OF EAST BATON ROUGE

<i>Total Toxic Organic (TTO) List</i>
<i>(91 Compounds)</i>
<i>Volatile Compounds (mg/L) - 28</i>
Acrolein
Acrylonitrile
Benzene
Bromoform
Carbon Tetrachloride
Chlorobenzene
Chlorodibromomethane
Chloroethane
2-Chloroethyl vinyl ether
Chloroform
Dichlorobromomethane
1,1-Dichloroethane
1,2-Dichloroethane
1,1-Dichloroethylene
1,2-Dichloropropane
1,3-Dichloropropylene
Ethyl Benzene
Methyl Bromide
Methyl Chloride
Methylene Chloride
1,1,2,2-Tetrachloroethane
Tetrachloroethylene
Toluene
1,2-trans-Dichloroethylene
1,1,1-Trichloroethane
1,1,2-Trichloroethane
Trichloroethylene
Vinyl Chloride
<i>Acid Extractable Compounds (mg/L) - 13</i>
2-Chlorophenol
o-Cresol
p-Cresol
2,4-Dichlorophenol
2,4-Dimethylphenol

4,6-Dinitro-o-cresol
2,4-Dinitrophenol
2-Nitrophenol
4-Nitrophenol
p-Chloro-m-cresol
Pentachlorophenol
Phenol
Phenol Total
<i>Base/Neutral Extractable (mg/L) - 50</i>
Acenaphthene
Acenaphthylene
Anthracene
Benzidine
Benzo(a)anthracene
Benzo(a)pyrene
3,4-Benzofluoranthene
Benzo(ghi)perylene
Benzo(k)fluoranthene
Bis(2-chloroethoxy)methane
Bis(2-chloroethyl)ether
Bis(2-chloro-1-methylethyl)ether
Bis(2-chloroisopropyl)ether
Bis(2-ethylhexyl)phthalate
4-Bromophenyl phenyl ether
Butylbenzyl phthalate
Carbazole
2-Chloronaphthalene
4-Chlorophenyl phenyl ether
Chrysene
n-Decane
Dibenzo(a,h)anthracene
1,2-Dichlorobenzene
1,3-Dichlorobenzene
1,4-Dichlorobenzene
3,3'-Dichlorobenzidine
Diethyl phthalate
Dimethyl phthalate
Di-n-butyl phthalate
2,4-dinitrotoluene
2,6-dinitrotoluene
Di-n-octyl phthalate
1,2-Diphenylhydrazine (as azobenzene)

Fluoranthene
Fluorene
Hexachlorobenzene
Hexachlorobutadiene
Hexachlorocyclopentadiene
Hexachloroethane
Indeno (1,2,3-cd)pyrene
Isophorone
Naphthalene
Nitrobenzene
N-Nitrosodimethylamine
N-Nitrosodi-n-propylamine
N-Nitrosodiphenylamine
n-Octadecane
Phenanthrene
Pyrene
1,2,4-Trichlorobenzene



ATTACHMENT I
REQUIRED & RECOMMENDED ANALYTICAL TEST METHODS
CITY OF BATON ROUGE
PARISH OF EAST BATON ROUGE

The City-Parish is required to use approved Clean Water Act (CWA) methods referenced to 40 CFR Part 136 for compliance purposes of wastewater measurements. The SW – 846 Methods (solid waste methods from EPA Office of Resource Conservation and Recovery) are not necessarily developed for the same monitoring purposes or matrices for which CWA methods are developed, thus it cannot be used interchangeably. However, our permitting authority, the Louisiana Department of Environmental Quality (LDEQ) allows the City-Parish, to use SW-846 for analyzing sewage sludge (biosolids) and groundwater monitoring. Furthermore, the City-Parish is required to have these analytical test methods performed by any laboratory that is certified by the National Environmental Laboratory Accreditation Program (NELAP) or Louisiana Environmental Laboratory Accreditation Program (LELAP).

The following tables below are all excerpts from the **most recently updated** 40 CFR Part 136 and the SW-846, please refer to these two references to check the entailed footnotes. Additionally, should a parameter does not have EPA recommended method, please refer to Louisiana Environmental Laboratory Accreditation Program (LELAP) column on the table. Lastly, please refer to these two references for the required containers, preservation techniques, sample preparation techniques, and holding times. No other methods should be utilized to substitute the methods on these tables.

GROUNDWATER MONITORING		
Parameter	Methodology	EPA (SW 846)
ORGANIC ANALYTES		
1,1,1,2-Tetrachloroethane	GC	SW 8021B
	GC/MS	SW 8260D
1,1,1-Trichloroethane (Methylchloroform)	GC	SW 8021B
	GC/MS	SW 8260D
	VD/GC/MS	SW 8261
1,1,2,2-Tetrachloroethane	GC	SW 8021B
	GC/MS	SW 8260D
1,1,2-Trichloroethane	GC	SW 8021B
	GC/MS	SW 8260D
	VD/GC/MS	SW 8261
1,1-Dichloroethane (Ethylidene Chloride)	GC	SW 8021B
	GC/MS	SW 8260D
	VD/GC/MS	SW 8261
1,2,3-Trichloropropane	GC	SW 8021B
	GC/MS	SW 8260D
	VD/GC/MS	SW 8261
1,2,- Dibromo-3-chloropropane (DBCP)	GC	SW 8011, SW 8021B, SW 8081B
	GC/MS	SW 8260D, SW 8270E
	VD/GC/MS	SW 8261
1,2- Dibromoethane (EDB, Ethylene dibromide)	GC	SW 8011, SW 8021B
	GC/MS	SW 8260D
1,2- Dichlorobenzene (o-Dichlorobenzene)	GC	SW 8021B, SW 8121
	GC/MS	SW 8260D, SW 8270E
	VD/GC/MS	SW 8261
	GC/FT-IR	SW 8410
1,2-Dichloroethane (Ethylene dichloride)	GC	SW 8021B
	GC/MS	SW 8260D
	VD/GC/MS	SW 8261
1,2-Dichloropropane (Propylene dichloride)	GC	SW 8021B
	GC/MS	SW 8260D
	VD/GC/MS	SW 8261
1,4- Dichlorobenzene (p-Dichlorobenzene)	GC	SW 8021B, SW 8121
	GC/MS	SW 8260D, SW 8270E
	VD/GC/MS	SW 8261
	GC/FT-IR	SW 8410

GROUNDWATER MONITORING		
Parameter	Methodology	EPA (SW 846)
2-Hexanone (Methyl butyl ketone)	GC/MS	SW 8260D
	VD/GC/MS	SW 8261
2-Propanone (Acetone)	GC	SW 8015C
	GC/MS	SW 8260D
	VD/GC/MS	SW 8261
	HPLC	SW 8315A
Acrylonitrile	GC	SW 8015C, SW 8031
	GC/MS	SW 8260D
	VD/GC/MS	SW 8261
	HPLC	SW 8316
Benzene	GC	SW 8015C, SW 8021B
	GC/MS	SW 8260D
	VD/GC/MS	SW 8261
Bromoform (Tribromomethane)	GC	SW 8021B
	GC/MS	SW 8260D
	VD/GC/MS	SW 8261
Carbon Disulfide	GC/MS	SW 8260D
	VD/GC/MS	SW 8261
Carbon Tetrachloride	GC	SW 8021B
	GC/MS	SW 8260D
	VD/GC/MS	SW 8261
	Colorimetric Screening	SW 8535
Chlorobenzene	GC	SW 8021B
	GC/MS	SW 8260D
	VD/GC/MS	SW 8261
Chlorobromomethane (Bromochloromethane)	GC	SW 8021B
	GC/MS	SW 8260D
	VD/GC/MS	SW 8261
Chlorodibromomethane (Dibromochloromethane)	GC	SW 8021B
	GC/MS	SW 8260D
	VD/GC/MS	SW 8261
Chloroethane (Ethyl Chloride)	GC	SW 8021B
	GC/MS	SW 8260D
	VD/GC/MS	SW 8261
Chloroform (Trichloromethane)	GC	SW 8021B
	GC/MS	SW 8260D
	VD/GC/MS	SW 8261
	GC	SW 8021B

GROUNDWATER MONITORING		
Parameter	Methodology	EPA (SW 846)
Dichlorobromomethane (Bromodichloromethane)	GC/MS	SW 8260D
	VD/GC/MS	SW 8261
Dichloromethane, DCM (Methylene Chloride)	GC	SW 8021B
	GC/MS	SW 8260D
	VD/GC/MS	SW 8261
Ethylbenzene	GC	SW 8015C, SW 8021B
	GC/MS	SW 8260D
	VD/GC/MS	SW 8261
Iodomethane (Methyl Iodide)	GC/MS	SW 8260D
	VD/GC/MS	SW 8261
Bromomethane (Methyl Bromide)	GC	SW 8021B
	GC/MS	SW 8260D
	VD/GC/MS	SW 8261
Chloromethane (Methyl Chloride)	GC	SW 8021B
	GC/MS	SW 8260D
	VD/GC/MS	SW 8261
Methyl Ethyl Ketone (MEK, 2-Butanone)	GC	SW 8015C
	GC/MS	SW 8260D
	VD/GC/MS	SW 8261
Methyl Isobutyl Ketone (MIBK, 4-Methyl-2-pentanone)	GC/MS	SW 8260D
	VD/GC/MS	SW 8261
Dibromomethane, (Methylene Bromide)	GC	SW 8021B
	GC/MS	SW 8260D
	VD/GC/MS	SW 8261
Styrene	GC	SW 8021B
	GC/MS	SW 8260D
	VD/GC/MS	SW 8261
Tetrachloroethylene (Tetrachloroethene, Perchloroethylene)	GC	SW 8021B
	GC/MS	SW 8260D
	VD/GC/MS	SW 8261
Toluene	GC	SW 8015C, SW 8021B
	GC/MS	SW 8260D
	VD/GC/MS	SW 8261
Trichloroethylene (Trichloroethene)	GC	SW 8021B
	GC/MS	SW 8260D
	VD/GC/MS	SW 8261

GROUNDWATER MONITORING		
Parameter	Methodology	EPA (SW 846)
	Colorimetric Screening	SW 8535
Trichlorofluoromethane (CFC-11)	GC	SW 8021B
	GC/MS	SW 8260D
	VD/GC/MS	SW 8261
Vinyl Acetate	GC/MS	SW 8260D
Vinyl Chloride	GC	SW 8021B
	GC/MS	SW 8260D
	VD/GC/MS	SW 8261
Vinylidene Chloride (1,1-Dichloroethene, 1,1-Dichloroethylene)	GC	SW 8021B
	GC/MS	SW 8260D
	VD/GC/MS	SW 8261
Xylenes	GC	SW 8015C, SW 8021B
	GC/MS	SW 8260D
	VD/GC/MS	SW 8261
cis-1,3-Dichloropropene	GC	SW 8021B
	GC/MS	SW 8260D
	VD/GC/MS	SW 8261
cis-1,2-Dichloroethene (cis-1,2-Dichloroethylene)	GC	SW 8021B
	GC/MS	SW 8260D
	VD/GC/MS	SW 8261
trans-1,2-Dichloroethene (trans-1,2-Dichloroethylene)	GC	SW 8021B
	GC/MS	SW 8260D
	VD/GC/MS	SW 8261
trans-1,3-Dichloropropene	GC	SW 8021B
	GC/MS	SW 8260D
	VD/GC/MS	SW 8261
trans-1,4-Dichloro-2-butene	GC/MS	SW 8260D
	VD/GC/MS	SW 8261
INORGANIC ANALYTES		
Chloride	Capillary Ion Electrophoresis	SW 6500

GROUNDWATER MONITORING		
Parameter	Methodology	EPA (SW 846)
	Ion Chromatography	SW 9056A
	HCl/Cl ₂ Emission Sampling Train (Methods 0050 and 0051) by Anion Chromatography	SW 9057
	Potentiometric Determination of Chloride in Aqueous Samples with Ion-Selective Electrode	SW 9212
	Colorimetric, Automated Ferricyanide AAI	SW 9250
	(Colorimetric, Automated Ferricyanide AAI)	SW9251
	Titrimetric, Silver Nitrate	SW 9253
	Sulfate	Capillary Ion Electrophoresis
Colorimetric, Automated, Chloranilate		SW 9035
Colorimetric, Automated, Methylthymol Blue, AA II		SW 9036
Turbidimetric		SW 9038
Ion Chromatography		SW 9056A
Antimony	ICP-AES	SW 6010D
	ICP-MS	SW 6020B
	XRFS	SW 6200
	Elemental and Speciated Isotope Dilution Mass Spectrometry	SW 6800
	Flame AAS	SW 7000B
	Antimony and Arsenic (Atomic Absorption, Borohydride Reduction)	SW 7062
	Arsenic	ICP-AES
ICP-MS		SW 6020B
XRFS		SW 6200
GFAAS		SW 7010
Arsenic (Atomic Absorption, Gaseous Hydride)		SW 7061A
Antimony and Arsenic (Atomic Absorption, Borohydride Reduction)		SW 7062
Arsenic in Aqueous Samples and Extracts by Anodic Stripping Voltammetry (ASV)		SW 7063

GROUNDWATER MONITORING		
Parameter	Methodology	EPA (SW 846)
Barium	ICP-AES	SW 6010D
	ICP-MS	SW 6020B
	XRFS	SW 6200
	Elemental and Speciated Isotope Dilution Mass Spectrometry	SW 6800
	Flame AAS	SW 7000B
	GFAAS	SW 7010
Beryllium	ICP-AES	SW 6010D
	ICP-MS	SW 6020B
	Flame AAS	SW 7000B
	GFAAS	SW 7010
Cadmium	ICP-AES	SW 6010D
	ICP-MS	SW 6020B
	XRFS	SW 6200
	Elemental and Speciated Isotope Dilution Mass Spectrometry	SW 6800
	Flame AAS	SW 7000B
	GFAAS	SW 7010
Chromium	ICP-AES	SW 6010D
	ICP-MS	SW 6020B
	XRFS	SW 6200
	Elemental and Speciated Isotope Dilution Mass Spectrometry	SW 6800
	Flame AAS	SW 7000B
	GFAAS	SW 7010
Cobalt	ICP-AES	SW 6010D
	ICP-MS	SW 6020B
	XRFS	SW 6200
	Flame AAS	SW 7000B
	GFAAS	SW 7010
Copper	ICP-AES	SW 6010D
	ICP-MS	SW 6020B
	XRFS	SW 6200
	Elemental and Speciated Isotope Dilution Mass Spectrometry	SW 6800
	Flame AAS	SW 7000B
	GFAAS	SW 7010
Lead	ICP-AES	SW 6010D

GROUNDWATER MONITORING		
Parameter	Methodology	EPA (SW 846)
	ICP-MS	SW 6020B
	XRFS	SW 6200
	Elemental and Speciated Isotope Dilution Mass Spectrometry	SW 6800
	Flame AAS	SW 7000B
	GFAAS	SW 7010
Nickel	ICP-AES	SW 6010D
	ICP-MS	SW 6020B
	XRFS	SW 6200
	Elemental and Speciated Isotope Dilution Mass Spectrometry	SW 6800
	Flame AAS	SW 7000B
	GFAAS	SW 7010
Selenium	ICP-AES	SW 6010D
	ICP-MS	SW 6020B
	XRFS	SW 6200
	Elemental and Speciated Isotope Dilution Mass Spectrometry	SW 6800
	GFAAS	SW 7010
	Selenium (Atomic Absorption, Gaseous Hydride)	SW 7741A
	Selenium (Atomic Absorption, Borohydride Reduction)	SW 7742
Silver	ICP-AES	SW 6010D
	ICP-MS	SW 6020B
	XRFS	SW 6200
	Elemental and Speciated Isotope Dilution Mass Spectrometry	SW 6800
	Flame AAS	SW 7000B
	GFAAS	SW 7010
Thallium	ICP-AES	SW 6010D
	ICP-MS	SW 6020B
	XRFS	SW 6200
	Elemental and Speciated Isotope Dilution Mass Spectrometry	SW 6800
	Flame AAS	SW 7000B
	GFAAS	SW 7010

GROUNDWATER MONITORING		
Parameter	Methodology	EPA (SW 846)
Vanadium	ICP-AES	SW 6010D
	ICP-MS	SW 6020B
	XRFS	SW 6200
	Elemental and Speciated Isotope Dilution Mass Spectrometry	SW 6800
	Flame AAS	SW 7000B
	GFAAS	SW 7010
Zinc	ICP-AES	SW 6010D
	ICP-MS	SW 6020B
	XRFS	SW 6200
	Elemental and Speciated Isotope Dilution Mass Spectrometry	SW 6800
	Flame AAS	SW 7000B
	GFAAS	SW 7010
Mercury	ICP-AES	SW 6010D
	ICP-MS	SW 6020B
	XRFS	SW 6200
	Elemental and Speciated Isotope Dilution Mass Spectrometry	SW 6800
	Mercury in Liquid Waste (Manual Cold-Vapor Technique)	SW 7470A
	Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Technique)	SW 7471B
	Mercury in Aqueous Samples and Extracts by Anodic Stripping Voltammetry (ASV)	SW 7472
	Mercury in Solids and Solutions by Thermal Decomposition, Amalgamation, and Atomic Absorption Spectrophotometry	SW 7473
	Mercury in Sediment and Tissue Samples by Atomic Fluorescence Spectrometry	SW 7474

TCLP Sewage Sludge		
Parameter	Methodology	EPA (SW 846)
ORGANIC ANALYTES		
2-Methylphenol (o-cresol)	GC	SW 8041A
	GC/MS	SW 8270E
	GC/FTIR	SW 8410
3-Methylphenol (m-cresol)	GC	SW 8041A
	GC/MS	SW 8270E
4-Methylphenol (p-cresol)	GC	SW 8041A
	GC/MS	SW 8270E
	GC/FTIR	SW 8410
Pentachlorophenol	GC	SW 8041A
	GC/AED	SW 8085
	GC	SW 8151A
	GC/MS	SW 8270E
	GC/FTIR	SW 8410
2,4,5-Trichlorophenol	GC	SW 8041A
	GC/AED	SW 8085
	GC/MS	SW 8270E
	GC/FTIR	SW 8410
2,4,6-Trichlorophenol	GC	SW 8041A
	GC/AED	SW 8085
	GC/MS	SW 8270E
	GC/FTIR	SW 8410
1,4-Dichlorobenzene	GC	SW 8021B
	GC	SW 8121
	GC/MS	SW 8260D
	VD/GC/MS	SW 8261
	GC/MS	SW 8270E
	GC/FTIR	SW 8410
2,4-Dinitrotoluene (2,4-DNT)	GC	SW 8091
	GC	SW 8095
	GC/MS	SW 8270E
	HPLC	SW 8330A
	GC/FTIR	SW 8410
Hexachlorobenzene	GC	SW 8081B
	GC/AED	SW 8085
	GC	SW 8121
	GC/MS	SW 8270E
	TE/GC/MS	SW 8275A
	GC/FTIR	SW 8410
	GC	SW 8021B

TCLP Sewage Sludge		
Parameter	Methodology	EPA (SW 846)
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	GC	SW 8121
	GC/MS	SW 8260D
	VD/GC/MS	SW 8261
	GC/MS	SW 8270E
	GC/FTIR	SW 8410
Hexachloroethane	GC	SW 8121
	GC/MS	SW 8260D
	GC/MS	SW 8270E
	GC/FTIR	SW 8410
Nitrobenzene (NB)	GC	SW 8091
	GC	SW 8095
	GC/MS	SW 8260D
	GC/MS	SW 8270E
	HPLC	SW 8330A
	GC/FTIR	SW 8410
Pyridine	GC	SW 8015C
	GC/MS	SW 8260D
	VD/GC/MS	SW 8261
Benzene	GC	SW 8015C
	GC	SW 8021B
	GC/MS	SW 8260D
	VD/GC/MS	SW 8261
Carbon Tetrachloride	GC	SW 8021B
	GC/MS	SW 8260D
	VD/GC/MS	SW 8261
Chlorobenzene	GC	SW 8021B
	GC/MS	SW 8260D
	VD/GC/MS	SW 8261
Chloroform	GC	SW 8021B
	GC/MS	SW 8260D
	VD/GC/MS	SW 8261
1,2-Dichloroethane	GC	SW 8021B
	GC/MS	SW 8260D
	VD/GC/MS	SW 8261
1,1-Dichloroethylene (1,1-Dichloroethene, Vinylidene chloride, 1,1-DCE)	GC	SW 8021B
	GC/MS	SW 8260D
	VD/GC/MS	SW 8261
Methyl Ethyl Ketone (MEK, 2-Butanone)	GC	SW 8015C
	GC/MS	SW 8260D
	VD/GC/MS	SW 8261
	GC	SW 8021B

TCLP Sewage Sludge		
Parameter	Methodology	EPA (SW 846)
Tetrachloroethylene (Perchloroethylene, Tetrachloroethylene)	GC/MS	SW 8260D
	VD/GC/MS	SW 8261
Trichloroethylene (Trichloroethene)	GC	SW 8021B
	GC/MS	SW 8260D
	VD/GC/MS	SW 8261
Vinyl Chloride	GC	SW 8021B
	GC/MS	SW 8260D
	VD/GC/MS	SW 8261
Polychlorinated Biphenyls (PCBs), as Aroclors or congeners	GC/MS	SW 8082A
	GC/MS	SW 8270E
Aroclor-1016 (PCB-1016)	GC/MS	SW 8082A
	GC/MS	SW 8270E
Aroclor-1221 (PCB-1221)	GC/MS	SW 8082A
	GC/MS	SW 8270E
Aroclor-1232 (PCB-1232)	GC/MS	SW 8082A
	GC/MS	SW 8270E
Aroclor-1242 (PCB-1242)	GC/MS	SW 8082A
	GC/MS	SW 8270E
Aroclor-1248 (PCB-1248)	GC/MS	SW 8082A
	GC/MS	SW 8270E
Aroclor-1254 (PCB-1254)	GC/MS	SW 8082A
	GC/MS	SW 8270E
Aroclor-1260 (PCB-1260)	GC/MS	SW 8082A
	GC/MS	SW 8270E
Chlordane (not otherwise specified, NOS)	GC	SW 8081B
	GC/MS	SW 8270E
Endrin	GC	SW 8081B
	GC/AED	SW 8085
	GC/MS	SW 8270E
γ -BHC (γ -Hexachlorocyclohexane, Lindane)	GC	SW 8081B
	GC/AED	SW 8085
	GC	SW 8121
	GC/MS	SW 8270E
Heptachlor	GC	SW 8081B
	GC/AED	SW 8085
	GC/MS	SW 8270E
Heptachlor Epoxide	GC	SW 8081B
	GC/AED	SW 8085
	GC/MS	SW 8270E
Methoxychlor	GC	SW 8081B
	GC/AED	SW 8085

TCLP Sewage Sludge		
Parameter	Methodology	EPA (SW 846)
	GC/MS	SW 8270E
Toxaphene	GC	SW 8081B
	GC/MS	SW 8270E
	GC-NICI/MS	SW 8276
2,4-Dichlorophenoxyacetic acid (2,4-D)	GC	SW 8151A
	HPLC/TS/MS	SW 8321B
2,4,5-TP [Silvex,Fenoprop, 2-(2,4,5-trichlorophenoxy) propionic acid]	GC/AED	SW 8085
	GC	SW 8151A
	HPLC/TS/MS	SW 8321B
Paint Filter Liquids Test	Physical/Chemical Methods	SW 9095B
INORGANIC ANALYTES		
Arsenic	ICP-AES	SW 6010D
	ICP-MS	SW 6020B
	XRFS	SW 6200
	GFAAS	SW 7010
	Arsenic (Atomic Absorption, Gaseous Hydride)	SW 7061A
	Antimony and Arsenic (Atomic Absorption, Borohydride Reduction)	SW 7062
	Arsenic in Aqueous Samples and Extracts by Anodic Stripping Voltammetry (ASV)	SW 7063
Barium	ICP-AES	SW 6010D
	ICP-MS	SW 6020B
	XRFS	SW 6200
	Elemental and Speciated Isotope Dilution Mass Spectrometry	SW 6800
	Flame AAS	SW 7000B
	GFAAS	SW 7010
Cadmium	ICP-AES	SW 6010D
	ICP-MS	SW 6020B
	XRFS	SW 6200
	Elemental and Speciated Isotope Dilution Mass Spectrometry	SW 6800
	Flame AAS	SW 7000B
	GFAAS	SW 7010
Chromium	ICP-AES	SW 6010D
	ICP-MS	SW 6020B

TCLP Sewage Sludge		
Parameter	Methodology	EPA (SW 846)
	XRFS	SW 6200
	Elemental and Speciated Isotope Dilution Mass Spectrometry	SW 6800
	Flame AAS	SW 7000B
	GFAAS	SW 7010
Lead	ICP-AES	SW 6010D
	ICP-MS	SW 6020B
	XRFS	SW 6200
	Elemental and Speciated Isotope Dilution Mass Spectrometry	SW 6800
	Flame AAS	SW 7000B
	GFAAS	SW 7010
Mercury	ICP-AES	SW 6010D
	ICP-MS	SW 6020B
	XRFS	SW 6200
	Elemental and Speciated Isotope Dilution Mass Spectrometry	SW 6800
	Mercury in Liquid Waste (Manual Cold-Vapor Technique)	SW 7470A
	Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Technique)	SW 7471B
	Mercury in Aqueous Samples and Extracts by Anodic Stripping Voltammetry (ASV)	SW 7472
	Mercury in Solids and Solutions by Thermal Decomposition, Amalgamation, and Atomic Absorption Spectrophotometry	SW 7473
	Mercury in Sediment and Tissue Samples by Atomic Fluorescence Spectrometry	SW 7474
Selenium	ICP-AES	SW 6010D
	ICP-MS	SW 6020B
	XRFS	SW 6200

TCLP Sewage Sludge		
Parameter	Methodology	EPA (SW 846)
	Elemental and Speciated Isotope Dilution Mass Spectrometry	SW 6800
	GFAAS	SW 7010
	Selenium (Atomic Absorption, Gaseous Hydride)	SW 7741A
	Selenium (Atomic Absorption, Borohydride Reduction)	SW 7742
Silver	ICP-AES	SW 6010D
	ICP-MS	SW 6020B
	XRFS	SW 6200
	Elemental and Speciated Isotope Dilution Mass Spectrometry	SW 6800
	Flame AAS	SW 7000B
	GFAAS	SW 7010

ORGANIC COMPOUNDS CWA METHODS						
Parameter ¹	Method	EPA ^{2,7}	Standard methods	ASTM	Other	LELAP
VOLATILE COMPOUNDS						
Acrolein	GC	603				
	GC/MS	624.1, ⁴ 1624 B				
Acrylonitrile	GC	603				
	GC/MS	624.1, ⁴ 1624 B			O-4127-96 ¹³	
Benzene	GC	602	6200 C-2011			
	GC/MS	624.1, 1624B	6200 B-2011		O-4127-96 ¹³ , O-4436-16 ¹⁴	
Bromoform	GC	601	6200 C-2011			
	GC/MS	624.1, 1624B	6200 B-2011			
Carbon tetrachloride	GC	601	6200 C-2011		See footnote, ³ p. 130.	
	GC/MS	624.1, 1624B	6200 B-2011		O-4127-96 ¹³ , O-4436-16 ¹⁴	
Chlorobenzene	GC	601, 602	6200 C-2011		See footnote, ³ p. 130.	
	GC/MS	624.1, 1624B	6200 B-2011		O-4127-96 ¹³ , O-4436-16 ¹⁴	
Dibromochloromethane (Chlorodibromomethane)	GC	601	6200 C-2011			
	GC/MS	624.1, 1624B	6200 B-2011		O-4127-96 ¹³ , O-4436-16 ¹⁴	
Chloroethane	GC	601	6200 C-2011			
	GC/MS	624.1, 1624B	6200 B-2011		O-4127-96 ¹³	
2-Chloroethylvinyl ether	GC	601				
	GC/MS	624.1, 1624B				
Chloroform	GC	601	6200 C-2011		See footnote, ³ p. 130.	
	GC/MS	624.1, 1624B	6200 B-2011		O-4127-96 ¹³ , O-4436-16 ¹⁴	
	GC	601	6200 C-2011			

ORGANIC COMPOUNDS CWA METHODS						
Parameter ¹	Method	EPA ^{2,7}	Standard methods	ASTM	Other	LELAP
Bromodichloromethane (Dichlorobromomethane)	GC/MS	624.1, 1624B	6200 B-2011			
1,1-Dichloroethane	GC	601	6200 C-2011			
	GC/MS	624.1, 1624B	6200 B-2011		O-4127-96 ¹³ , O-4436-16 ¹⁴	
1,2-Dichloroethane	GC	601	6200 C-2011			
	GC/MS	624.1, 1624B	6200 B-2011		O-4127-96 ¹³ , O-4436-16 ¹⁴	
1,1-Dichloroethene (1,1-Dichloroethylene)	GC	601	6200 C-2011			
	GC/MS	624.1, 1624B	6200 B-2011		O-4127-96 ¹³ , O-4436-16 ¹⁴	
1,2-Dichloropropane	GC	601	6200 C-2011			
	GC/MS	624.1, 1624B	6200 B-2011		O-4127-96 ¹³ , O-4436-16 ¹⁴	
<i>cis</i> -1,3-Dichloropropene	GC	601	6200 C-2011			
	GC/MS	624.1, 1624B	6200 B-2011		O-4127-96 ¹³ , O-4436-16 ¹⁴	
<i>trans</i> -1,3-Dichloropropene (1,3-Dichloropropylene, 1,3-D, CAS#542-75-6)	GC	601	6200 C-2011			
	GC/MS	624.1, 1624B	6200 B-2011		O-4127-96 ¹³ , O-4436-16 ¹⁴	
Ethylbenzene	GC	602	6200 C-2011			
	GC/MS	624.1, 1624B	6200 B-2011		O-4127-96 ¹³ , O-4436-16 ¹⁴	
Bromomethane (Methyl Bromide)	GC	601	6200 C-2011			
	GC/MS	624.1, 1624B	6200 B-2011			
Chloromethane (Methyl Chloride)	GC	601	6200 C-2011			
	GC/MS	624.1, 1624B	6200 B-2011		O-4127-96 ¹³ , O-4436-16 ¹⁴	
Methylene chloride	GC	601	6200 C-2011		See footnote, ³ p. 130.	
	GC/MS	624.1, 1624B	6200 B-2011		O-4127-96 ¹³ , O-4436-16 ¹⁴	
1,1,2,2-Tetrachloroethane	GC	601	6200 C-2011		See footnote, ³ p. 130.	

ORGANIC COMPOUNDS CWA METHODS						
Parameter¹	Method	EPA^{2,7}	Standard methods	ASTM	Other	LELAP
	GC/MS	624.1, 1624B	6200 B-2011		O-4127-96 ¹³	
Tetrachloroethene (Tetrachloroethylene)	GC	601	6200 C-2011		See footnote, ³ p. 130.	
	GC/MS	624.1, 1624B	6200 B-2011		O-4127-96 ¹³ , O-4436-16 ¹⁴	
trans-1,2-Dichloroethene (1,2-trans-dichloroethylene)	GC	601	6200 C-2011			
	GC/MS	624.1, 1624B	6200 B-2011		O-4127-96 ¹³ , O-4436-16 ¹⁴	
Toluene	GC	602	6200 C-2011			
	GC/MS	624.1, 1624B	6200 B-2011		O-4127-96 ¹³ , O-4436-16 ¹⁴	
1,1,1-Trichloroethane	GC	601	6200 C-2011			
	GC/MS	624.1, 1624B	6200 B-2011		O-4127-96 ¹³ , O-4436-16 ¹⁴	
1,1,2-Trichloroethane	GC	601	6200 C-2011		See footnote, ³ p. 130.	
	GC/MS	624.1, 1624B	6200 B-2011		O-4127-96 ¹³ , O-4436-16 ¹⁴	
Trichloroethene (Trichloroethylene)	GC	601	6200 C-2011			
	GC/MS	624.1, 1624B	6200 B-2011		O-4127-96 ¹³ , O-4436-16 ¹⁴	
Vinyl chloride	GC	601	6200 C-2011			
	GC/MS	624.1, 1624B	6200 B-2011		O-4127-96 ¹³ , O-4436-16 ¹⁴	
BASE/NEUTRAL COMPOUNDS						
Acenaphthene	GC	610				
	GC/MS	625.1, 1625B	6410 B-2000		See footnote, ⁹ p. 27.	
	HPLC	610	6440 B-2005	D4657-92 (98)		
Acenaphthylene	GC	610				

ORGANIC COMPOUNDS CWA METHODS						
Parameter ¹	Method	EPA ^{2,7}	Standard methods	ASTM	Other	LELAP
	GC/MS	625.1, 1625B	6410 B-2000		See footnote, ⁹ p. 27.	
	HPLC	610	6440 B-2005	D4657-92 (98)		
Anthracene	GC	610				
	GC/MS	625.1, 1625B	6410 B-2000		See footnote, ⁹ p. 27.	
	HPLC	610	6440 B-2005	D4657-92 (98)		
Benzidine	Spectro-photometric				See footnote, ³ p.1.	
	GC/MS	625.1 ⁵ , 1625B	6410 B-2000			
	HPLC	605				
Benzo(a)anthracene	GC	610				
	GC/MS	625.1, 1625B	6410 B-2000		See footnote, ⁹ p. 27.	
	HPLC	610	6440 B-2005	D4657-92 (98)		
Benzo(a)pyrene	GC	610				
	GC/MS	625.1, 1625B	6410 B-2000		See footnote, ⁹ p. 27.	
	HPLC	610	6440 B-2005	D4657-92 (98)		
Benzo(b)fluoranthene (3,4-benzofluoranthene)	GC	610				
	GC/MS	625.1, 1625B	6410 B-2000		See footnote, ⁹ p. 27.	
	HPLC	610	6440 B-2005	D4657-92 (98)		
Benzo(g,h,i)perylene	GC	610				
	GC/MS	625.1, 1625B	6410 B-2000		See footnote, ⁹ p. 27.	

ORGANIC COMPOUNDS CWA METHODS						
Parameter ¹	Method	EPA ^{2,7}	Standard methods	ASTM	Other	LELAP
	HPLC	610	6440 B-2005	D4657-92 (98)		
Benzo(k)fluoranthene	GC	610				
	GC/MS	625.1, 1625B	6410 B-2000		See footnote, ⁹ p. 27.	
	HPLC	610	6440 B-2005	D4657-92 (98)		
bis(2-Chloroethoxy) methane	GC	611				
	GC/MS	625.1, 1625B	6410 B-2000		See footnote, ⁹ p. 27.	
bis(2-Chloroethyl) ether	GC	611				
	GC/MS	625.1, 1625B	6410 B-2000		See footnote, ⁹ p. 27.	
2,2'-oxybis(1-chloropropane) ¹² [also known as bis(2-Chloro-1-methylethyl) ether]	GC	611				
	GC/MS	625.1, 1625B	6410 B-2000		See footnote, ⁹ p. 27.	
Bis(2-chloroisopropyl)ether	GC	611				
	GC/MS	625.1, 1625B	6410 B-2000		See footnote, ⁹ p. 27.	
bis(2-Ethylhexyl) phthalate	GC	606				
	GC/MS	625.1, 1625B	6410 B-2000		See footnote, ⁹ p. 27.	
4-Bromophenyl phenyl ether	GC	611				
	GC/MS	625.1, 1625B	6410 B-2000		See footnote, ⁹ p. 27.	
Butyl benzyl phthalate	GC	606				
	GC/MS	625.1, 1625B	6410 B-2000		See footnote, ⁹ p. 27.	
2-Chloronaphthalene	GC	612				

ORGANIC COMPOUNDS CWA METHODS						
Parameter ¹	Method	EPA ^{2,7}	Standard methods	ASTM	Other	LELAP
	GC/MS	625.1, 1625B	6410 B-2000		See footnote, ⁹ p. 27.	
4-Chlorophenyl phenyl ether	GC	611				
	GC/MS	625.1, 1625B	6410 B-2000		See footnote, ⁹ p. 27.	
Chrysene	GC	610				
	GC/MS	625.1, 1625B	6410 B-2000		See footnote, ⁹ p. 27.	
	HPLC	610	6440 B-2005	D4657-92 (98)		
Dibenzo(a,h)anthracene	GC	610				
	GC/MS	625.1, 1625B	6410 B-2000		See footnote, ⁹ p. 27.	
	HPLC	610	6440 B-2005	D4657-92 (98)		
1,2-Dichlorobenzene	GC	601, 602	6200 C-2011			
	GC/MS	624.1, 1625B	6200 B-2011		See footnote, ⁹ p. 27. O-4127-96 ¹³ , O-4436-16 ¹⁴	
1,3-Dichlorobenzene	GC	601, 602	6200 C-2011			
	GC/MS	624.1, 1625B	6200 B-2011		See footnote, ⁹ p. 27. O-4127-96 ¹³ , O-4436-16 ¹⁴	
1,4-Dichlorobenzene	GC	601, 602	6200 C-2011			
	GC/MS	624.1, 1625B	6200 B-2011		See footnote, ⁹ p. 27. O-4127-96 ¹³ , O-4436-16 ¹⁴	
3,3'-Dichlorobenzidine	GC/MS	625.1, 1625B	6410 B-2000			

ORGANIC COMPOUNDS CWA METHODS						
Parameter ¹	Method	EPA ^{2,7}	Standard methods	ASTM	Other	LELAP
	HPLC	605				
Diethyl phthalate	GC	606				
	GC/MS	625.1, 1625B	6410 B-2000		See footnote, ⁹ p. 27.	
Dimethyl phthalate	GC	606				
	GC/MS	625.1, 1625B	6410 B-2000		See footnote, ⁹ p. 27.	
Di-n-butyl phthalate	GC	606				
	GC/MS	625.1, 1625B	6410 B-2000		See footnote, ⁹ p. 27.	
2,4-Dinitrotoluene	GC	609				
	GC/MS	625.1, 1625B	6410 B-2000		See footnote, ⁹ p. 27.	
2,6-Dinitrotoluene	GC	609				
	GC/MS	625.1, 1625B	6410 B-2000		See footnote, ⁹ p. 27.	
Di-n-octyl phthalate	GC	606				
	GC/MS	625.1, 1625B	6410 B-2000		See footnote, ⁹ p. 27.	
1,2-Diphenylhydrazene (as azobenzene)	GC					
	GC/MS	625.1, 1625B				
Fluoranthene	GC	610				
	GC/MS	625.1, 1625B	6410 B-2000		See footnote, ⁹ p. 27.	
	HPLC	610	6440 B-2005	D4657-92 (98)		
Fluorene	GC	610				
	GC/MS	625.1, 1625B	6410 B-2000		See footnote, ⁹ p. 27.	

ORGANIC COMPOUNDS CWA METHODS						
Parameter ¹	Method	EPA ^{2,7}	Standard methods	ASTM	Other	LELAP
	HPLC	610	6440 B-2005	D4657-92 (98)		
Hexachlorobenzene	GC	612				
	GC/MS	625.1, 1625B	6410 B-2000		See footnote, ⁹ p. 27.	
Hexachlorobutadiene	GC	612				
	GC/MS	625.1, 1625B	6410 B-2000		See footnote, ⁹ p. 27. O-4127-96 ¹³	
Hexachlorocyclopentadiene	GC	612				
	GC/MS	625.1, ⁵ 1625 B	6410 B-2000		See footnote, ⁹ p. 27. O-4127-96 ¹³	
Hexachloroethane	GC	612				
	GC/MS	625.1, 1625B	6410 B-2000		See footnote, ⁹ p. 27. O-4127-96 ¹³	
Indeno(1,2,3-c,d) pyrene	GC	610				
	GC/MS	625.1, 1625B	6410 B-2000		See footnote, ⁹ p. 27.	
	HPLC	610	6440 B-2005	D4657-92 (98)		
Isophorone	GC	609				
	GC/MS	625.1, 1625B	6410 B-2000		See footnote, ⁹ p. 27.	
Naphthalene	GC	610				
	GC/MS	625.1, 1625B	6410 B-2000		See footnote, ⁹ p. 27.	
	HPLC	610	6440 B-2005			
Nitrobenzene	GC	609				

ORGANIC COMPOUNDS CWA METHODS						
Parameter ¹	Method	EPA ^{2,7}	Standard methods	ASTM	Other	LELAP
	GC/MS	625.1, 1625B	6410 B-2000		See footnote, ⁹ p. 27.	
	HPLC			D4657-92 (98)		
N-Nitrosodimethylamine	GC	607				
	GC/MS	625.1, ⁵ 1625 B	6410 B-2000		See footnote, ⁹ p. 27.	
N-Nitrosodi-n-propylamine	GC	607				
	GC/MS	625.1, ⁵ 1625 B	6410 B-2000		See footnote, ⁹ p. 27.	
N-Nitrosodiphenylamine	GC	607				
	GC/MS	625.1, ⁵ 1625 B	6410 B-2000		See footnote, ⁹ p. 27.	
Phenanthrene	GC	610				
	GC/MS	625.1, 1625B	6410 B-2000		See footnote, ⁹ p. 27.	
	HPLC	610	6440 B-2005	D4657-92 (98)		
Pyrene	GC	610				
	GC/MS	625.1, 1625B	6410 B-2000		See footnote, ⁹ p. 27.	
	HPLC	610	6440 B-2005	D4657-92 (98)		
1,2,4-Trichlorobenzene	GC	612			See footnote, ³ p. 130.	
	GC/MS	625.1, 1625B	6410 B-2000		See footnote, ⁹ p. 27. O-4127-96 ¹³ , O-4436-16 ¹⁴	
ACID COMPOUNDS						

ORGANIC COMPOUNDS CWA METHODS						
Parameter ¹	Method	EPA ^{2,7}	Standard methods	ASTM	Other	LELAP
2-Chlorophenol	GC	604	6420 B-2000			
	GC/MS	625.1, 1625B	6410 B-2000		See footnote, ⁹ p. 27.	
3-Chlorophenol (no recommended method)	GC					
	GC/MS					8270D, 625.1
4-Chlorophenol (no recommended method)	GC					
	GC/MS					8270C, 8270 D, 8270 E
2,4-Dichlorophenol	GC	604	6420 B-2000			
	GC/MS	625.1, 1625B	6410 B-2000		See footnote, ⁹ p. 27.	
2,3-Dichlorophenol (no recommended method)	GC					
	GC/MS					8270C, 8270 D, 625.1
2,5-Dichlorophenol (no recommended method)	GC					
	GC/MS					8270C, 8270 D, 8270 E, 625.1
2,6-Dichlorophenol	GC					
	GC/MS	625.1				
3,4-Dichlorophenol (no recommended method)	GC					
	GC/MS					8270C, 8270 D, 8270 E, 625.1
2,4-Dimethylphenol	GC	604	6420 B-2000			
	GC/MS	625.1, 1625B	6410 B-2000		See footnote, ⁹ p. 27.	
2-Methyl-4,6-dinitrophenol (4,6-dinitro-o-cresol)	GC	604	6420 B-2000			
	GC/MS	625.1, 1625B	6410 B-2000		See footnote, ⁹ p. 27.	

ORGANIC COMPOUNDS CWA METHODS						
Parameter ¹	Method	EPA ^{2,7}	Standard methods	ASTM	Other	LELAP
2, 4-Dinitrophenol	GC	604	6420 B-2000		See footnote, ⁹ p. 27.	
	GC/MS	625.1, 1625B	6410 B-2000			
2-Nitrophenol	GC	604	6420 B-2000			
	GC/MS	625.1, 1625B	6410 B-2000		See footnote, ⁹ p. 27.	
4-Nitrophenol	GC	604	6420 B-2000			
	GC/MS	625.1, 1625B	6410 B-2000		See footnote, ⁹ p. 27.	
4-Chloro-3-methyl phenol (p-chloro-m-cresol)	GC	604	6420 B-2000			
	GC/MS	625.1, 1625B	6410 B-2000		See footnote, ⁹ p. 27.	
Pentachlorophenol	GC	604	6420 B-2000		See footnote, ³ p. 140.	
	GC/MS	625.1, 1625B	6410 B-2000		See footnote, ⁹ p. 27.	
Phenol	GC	604	6420 B-2000			
	GC/MS	625.1, 1625B	6410 B-2000		See footnote, ⁹ p. 27.	
2,4,6-Trichlorophenol	GC	604	6420 B-2000			
	GC/MS	625.1, 1625B	6410 B-2000		See footnote, ⁹ p. 27.	

ORGANIC COMPOUNDS CWA METHODS						
Parameter ¹	Method	EPA ^{2,7}	Standard methods	ASTM	Other	LELAP
PESTICIDE COMPOUNDS						
Aldrin	GC	617, 608.3	6630 B-2007 & C-2007	D3086-90, D5812-96 (02)	See footnote, ³ p. 7; See footnote, ⁴ O-3104-83; See footnote, ⁸ 3M0222.	
	GC/MS	625.1	6410 B-2000			
α -BHC	GC	617, 608.3	6630 B-2007 & C-2007	D3086-90, D5812-96(02)	See footnote, ³ p. 7; See footnote, ⁸ 3M0222.	
	GC/MS	625.15	6410 B-2000		See footnote, ¹¹ O-1126-95.	
β -BHC	GC	617, 608.3	6630 B-2007 & C-2007	D3086-90, D5812-96(02)	See footnote, ⁸ 3M0222.	
	GC/MS	625.1	6410 B-2000			
δ -BHC	GC	617, 608.3	6630 B-2007 & C-2007	D3086-90, D5812-96(02)	See footnote, ⁸ 3M0222.	
	GC/MS	625.1	6410 B-2000			
γ -BHC (Lindane)	GC	617, 608.3	6630 B-2007 & C-2007	D3086-90, D5812-96(02)	See footnote, ³ p. 7; See footnote, ⁴ O-3104-83; See footnote, ⁸ 3M0222.	
	GC/MS	625.15	6410 B-2000		See footnote, ¹¹ O-1126-95.	

ORGANIC COMPOUNDS CWA METHODS						
Parameter ¹	Method	EPA ^{2,7}	Standard methods	ASTM	Other	LELAP
Chlordane	GC	617, 608.3	6630 B-2007 & C-2007	D3086-90, D5812-96(02)	See footnote, ³ p. 7; See footnote, ⁴ O-3104-83; See footnote, ⁸ 3M0222.	
	GC/MS	625.1	6410 B-2000			
4,4'-DDD	GC	617, 608.3	6630 B-2007 & C-2007	D3086-90, D5812-96(02)	See footnote, ³ p. 7; See footnote, ⁴ O-3105-83; See footnote, ⁸ 3M0222.	
	GC/MS	625.1	6410 B-2000			
4,4'-DDE	GC	617, 608.3	6630 B-2007 & C-2007	D3086-90, D5812-96(02)	See footnote, ³ p. 7; See footnote, ⁴ O-3104-83; See footnote, ⁸ 3M0222.	
	GC/MS	625.1	6410 B-2000		See footnote, ¹¹ O-1126-95.	
4,4'-DDT	GC	617, 608.3	6630 B-2007 & C-2007	D3086-90, D5812-96(02)	See footnote, ³ p. 7; See footnote, ⁴ O-3104-83; See footnote, ⁸ 3M0222.	
	GC/MS	625.1	6410 B-2000			

ORGANIC COMPOUNDS CWA METHODS						
Parameter ¹	Method	EPA ^{2,7}	Standard methods	ASTM	Other	LELAP
Dieldrin	GC	617, 608.3	6630 B-2007 & C-2007	D3086-90, D5812-96(02)	See footnote, ³ p. 7; See footnote, ⁴ O-3104-83; See footnote, ⁸ 3M0222.	
	GC/MS	625.1	6410 B-2000		See footnote, ¹¹ O-1126-95.	
Endosulfan I	GC	617, 608.3	6630 B-2007 & C-2007	D3086-90, D5812-96(02)	See footnote, ³ p. 7; See footnote, ⁴ O-3104-83; See footnote, ⁸ 3M0222).	
	GC/MS	625.15	6410 B-2000		See footnote, ¹³ O-2002-01.	
Endosulfan II	GC	617, 608.3	6630 B-2007 & C-2007	D3086-90, D5812-96(02)	See footnote, ³ p. 7; See footnote, ⁸ 3M0222.	
	GC/MS	625.15	6410 B-2000		See footnote, ¹³ O-2002-01.	
Endosulfan Sulfate	GC	617, 608.3	6630 C-2007		See footnote, ⁸ 3M0222.	
	GC/MS	625.1	6410 B-2000			
Endrin	GC	505, 508, 617, 1656, 608.3	6630 B-2007 & C-2007	D3086-90, D5812-96(02)	See footnote, ³ p. 7; See footnote, ⁴ O-3104-83; See footnote, ⁸ 3M0222.	

ORGANIC COMPOUNDS CWA METHODS						
Parameter ¹	Method	EPA ^{2,7}	Standard methods	ASTM	Other	LELAP
	GC/MS	525.1, 525.2, 625.1 ⁵	6410 B-2000			
Endrin aldehyde	GC	617, 608.3	6630 C-2007		See footnote, ⁸ 3M0222.	
	GC/MS	625.1				
Heptachlor	GC	505, 508, 617, 1656, 608.3	6630 B-2007 & C-2007	D3086-90, D5812-96(02)	See footnote, ³ p. 7; See footnote, ⁴ O-3104-83; See footnote, ⁸ 3M0222.	
	GC/MS	525.1, 525.2, 625.1	6410 B-2000			
Heptachlor epoxide	GC	617, 608.3	6630 B-2007 & C-2007	D3086-90, D5812-96(02)	See footnote, ³ p. 7; See footnote, ⁴ O-3104-83; See footnote, ⁶ p. S73; See footnote, ⁸ 3M0222.	
	GC/MS	625.1	6410 B-2000			
PCB-1016	GC	608.3			See footnote, ³ p. 43; See footnote. ⁸	
	GC/MS	625.1	6410 B-2000			
PCB-1221	GC	608.3			See footnote, ³ p. 43; See footnote. ⁸	
	GC/MS	625.1	6410 B-2000			

ORGANIC COMPOUNDS CWA METHODS						
Parameter ¹	Method	EPA ^{2,7}	Standard methods	ASTM	Other	LELAP
PCB-1232	GC	608.3			See footnote, ³ p. 43; See footnote. ⁸	
	GC/MS	625.1	6410 B-2000			
PCB-1242	GC	608.3			See footnote, ³ p. 43; See footnote. ⁸	
	GC/MS	625.1	6410 B-2000			
PCB-1248	GC	608.3			See footnote, ³ p. 43; See footnote. ⁸	
	GC/MS	625.1	6410 B-2000			
PCB-1254	GC	608.3			See footnote, ³ p. 43; See footnote. ⁸	
	GC/MS	625.1	6410 B-2000			
PCB-1260	GC	608.3			See footnote, ³ p. 43; See footnote. ⁸	
	GC/MS	625.1	6410 B-2000			
Total PCBs (no recommended method)	Total PCBs represents the sum of all measured PCB congeners					
2,3,7,8-Tetrachloro-dibenzo- <i>p</i> -dioxin (2,3,7,8-TCDD)	GC/MS	613, 625.1, ^{5a} 1613 B				

ORGANIC COMPOUNDS CWA METHODS						
Parameter ¹	Method	EPA ^{2,7}	Standard methods	ASTM	Other	LELAP
Toxaphene	GC	505, 508, 617, 1656, 608.3	6630 B-2007 & C-2007	D3086-90, D5812-96(02)	See footnote, ³ p. 7; See footnote, ⁸ See footnote, ⁴ O-3105-83.	
	GC/MS	525.1, 525.2, 625.1	6410 B-2000			
HERBICIDE COMPOUNDS						
Atrazine, ug/mL	GC	507, 619, 608.3			See footnote, ³ p. 83; See footnote, ⁶ p. S68; See footnote, ⁹ O-3106-93.	
	HPLC/MS				See footnote, ¹² O-2060-01.	
	GC/MS	525.1, 525.2, 625.1			See footnote, ¹¹ O-1126-95.	
2,4-Dichlorophenoxyacetic acid (2,4 D)	GC	1658/515.1/615/515.2/555				
2-(2,4,5-trichlorophenoxy)propionic acid (2,4,5-TP/ Silvex)	GC	615	6640 B-2006		See footnote, ³ p. 115; See footnote, ⁴ O-3105-83.	
OTHER ORGANIC COMPOUNDS						
Benzoic Acid	GC/MS	625.1				
Carbazole	GC/MS	625.1, 1625B				
n- Decane	GC/MS	625.1, 1625B				

ORGANIC COMPOUNDS CWA METHODS						
Parameter¹	Method	EPA^{2,7}	Standard methods	ASTM	Other	LELAP
n- Octadecane	GC/MS	625.1, 1625B				
o- Cresol (2-methylphenol)	GC/MS	625.1, 1625B				
p- Cresol (4-methylphenol)	GC/MS	625.1, 1625B				

BIOLOGICAL CWA METHODS						
Parameter ¹	Method	EPA ²⁷	Standard methods	ASTM	Other	LELAP
AQUATIC TOXICITY						
Toxicity, acute, fresh water organisms, LC ₅₀ , percent effluent	<i>Ceriodaphnia dubia</i> acute	2002.0 ²⁶				
	<i>Daphnia pulex</i> and <i>Daphnia magna</i> acute	2021.0 ²⁶				
	Fathead Minnow, <i>Pimephales promelas</i> , and Bannerfin shiner, <i>Cyprinella leedsi</i> , acute	2000.0 ²⁶				
	Rainbow Trout, <i>Oncorhynchus mykiss</i> , and brook trout, <i>Salvelinus fontinalis</i> , acute	2019.0 ²⁶				
Toxicity, acute, estuarine and marine organisms of the Atlantic Ocean and Gulf of Mexico, LC ₅₀ , percent effluent	Mysid, <i>Mysidopsis bahia</i> , acute	2007.0 ²⁶				
	Sheepshead Minnow, <i>Cyprinodon variegatus</i> , acute	2004.0 ²⁶				
	Silverside, <i>Menidia beryllina</i> , <i>Menidia menidia</i> , and <i>Menidia peninsulae</i> , acute	2006.0 ²⁶				
Toxicity, chronic, fresh water organisms, NOEC or IC ₂₅ , percent effluent	Fathead minnow, <i>Pimephales promelas</i> , larval survival and growth	1000.0 ²⁷				

BIOLOGICAL CWA METHODS						
Parameter ¹	Method	EPA ²⁷	Standard methods	ASTM	Other	LELAP
	Fathead minnow, <i>Pimephales promelas</i> , embryol- larval survival and teratogenicity	1001.0 ²⁷				
	Daphnia, <i>Ceriodaphnia dubia</i> , survival and reproduction	1002.0 ²⁷				
	Green alga, <i>Selenastrum capricornutum</i> , growth	1003.0 ²⁷				
Toxicity, chronic, estuarine and marine organisms of the Atlantic Ocean and Gulf of Mexico, NOEC or IC ₂₅ , percent effluent	Sheepshead minnow, <i>Cyprinodon variegatus</i> , larval survival and growth	1004.0 ²⁸				
	Sheepshead minnow, <i>Cyprinodon variegatus</i> , embryo- larval survival and teratogenicity	1005.0 ²⁸				
	Inland silverside, <i>Menidia beryllina</i> , larval survival and growth	1006.0 ²⁸				
	Mysid, <i>Mysidopsis bahia</i> , survival, growth, and fecundity	1007.0 ²⁸				
	Sea urchin, <i>Arbacia punctulata</i> , fertiliza- tion	1008.0 ²⁸				
BACTERIA						

BIOLOGICAL CWA METHODS						
Parameter ¹	Method	EPA ^{2,7}	Standard methods	ASTM	Other	LELAP
Coliform (fecal), number per 100 mL or number per gram dry weight	Most Probable Number (MPN), 5 tube, 3 dilution, or	p. 132, ³ 1680, ¹¹ 15 1681 ^{11,20}	9221 E-2014			
	Membrane filter (MF) ² , single step	p. 124 ³	9222 D-2015	B-0050-85 ⁴		
Coliform (fecal), number per 100 mL	MPN, 5 tube, 3 dilution, or	p. 132 ³	9221 E-2014; 9221 F-2014			
	Multiple tube/multiple well, or				Colilert-18 ^{®13} 18 21 29	
	MF ² , single step ⁵	p. 124 ³	9222 D-2015			
Coliform (total), number per 100 mL	MPN, 5 tube, 3 dilution, or	p. 114 ³	9221 B-2014			
	MF ² , single step or two step	p. 108 ³	9222 B-2015	B-0025-85 ⁴		
	MF ² with enrichment ⁵	p. 111 ³	9222 B-2015			
<i>E. coli</i> , number per 100 mL ²¹	MPN ^{6,8,16} multiple tube, or		9221B.2-2014/9221F-2014			
	multiple tube/multiple well, or		9223 B-2004 ¹³	991.15 ¹⁰	Colilert [®] 13 18	
					Colilert-18 [®] 13 17 18	
	MF ^{2,5,6,7,8} two step, or		9222 B-2015, 9222 I-2015			
	MF ^{2,6,7,8} single step	1603 ²²			mColiBlue-24 ^{®19}	
Fecal streptococci, number per 100 mL	MPN, 5 tube, 3 dilution, or	p. 139 ³	9230 B-2013			
	MF ² , or	p. 136 ³	9230 C-2013	B-0055-85 ⁴		
	Plate count	p. 143 ³				
Enterococci, number per 100 mL ²¹	MPN, 5 tube, 3 dilution, or	p. 139 ³	9230 B-2013			

BIOLOGICAL CWA METHODS

Parameter¹	Method	EPA^{2,7}	Standard methods	ASTM	Other	LELAP
	MPN ^{6,8} , multiple tube/multiple well, or		9230 D-2013	D6503-99 ⁹	Enterolert [®] 13 24.	
	MF ^{2,6,7,8} single step or	1600 ²⁵	9230 C-2013			
	Plate count	p. 143 ³				
<i>Salmonella</i> number per gram dry weight ¹¹	MPN multiple tube	1682 ²³				

INORGANIC CWA METHODS						
Parameter ¹	Method	EPA ^{2,7}	Standard methods	ASTM	Other	LELAP
METALS						
Aluminum— Total, ⁴ mg/L	Digestion, ⁴ followed by any of the following:					
	AA direct aspiration ³⁶		3111 D-2011 or 3111 E-2011		I-3051-85. ²	
	AA furnace		3113 B-2010.			
	STGFAA	200.9, Rev. 2.2 (1994)				
	ICP/AES ³⁶	200.5, Rev 4.2 (2003), ⁶⁸ 200.7, Rev. 4.4 (1994)	3120 B-2011	D1976-12	I-4471-97. ⁵⁰	
	ICP/MS	200.8, Rev. 5.4 (1994)	3125 B-2011	D5673-16	993.14, ³ I-4472-97. ⁸¹	
	Direct Current Plasma (DCP) ³⁶			D4190-15	See footnote. ³⁴	
	Colorimetric (Eriochrome cyanine R)			3500-AI B-2011		
Antimony— Total, ⁴ mg/L	Digestion, ⁴ followed by any of the following:					
	AA direct aspiration ³⁶		3111 B-2011			
	AA furnace		3113 B-2010			
	STGFAA	200.9, Rev. 2.2 (1994)				
	ICP/AES ³⁶	200.5, Rev 4.2 (2003), ⁶⁸ 200.7, Rev. 4.4 (1994)	3120 B-2011	D1976-12		

INORGANIC CWA METHODS						
Parameter ¹	Method	EPA ²⁷	Standard methods	ASTM	Other	LELAP
	ICP/MS	200.8, Rev. 5.4 (1994)	3125 B-2011	D5673-16	993.14, ³ I-4472-97. ⁸¹	
Arsenic-Total, ⁴ mg/L	Digestion, ⁴ followed by any of the following:	206.5 (Issued 1978) ¹				
	AA gaseous hydride		3114 B-2011 or 3114 C-2011	D2972-15 (B)	I-3062-85. ²	
	AA furnace		3113 B-2010	D2972-15 (C)	I-4063-98. ⁴⁹	
	STGFAA	200.9, Rev. 2.2 (1994)				
	ICP/AES ³⁶	200.5, Rev 4.2 (2003); ⁶⁸ 200.7, Rev. 4.4 (1994)	3120 B-2011	D1976-12		
	ICP/MS	200.8, Rev. 5.4 (1994)	3125 B-2011	D5673-16	993.14, ³ I-4020-05. ⁷⁰	
	Colorimetric (SDDC)			3500-As B-2011	D2972-15 (A)	I-3060-85. ²
Barium— Total, ⁴ mg/L	Digestion, ⁴ followed by any of the following:					
	AA direct aspiration ³⁶		3111 D-2011		I-3084-85. ²	
	AA furnace		3113 B-2010	D4382-18		
	ICP/AES ³⁶	200.5, Rev 4.2 (2003); ⁶⁸ 200.7, Rev. 4.4 (1994)	3120 B-2011		I-4471-97. ⁵⁰	

INORGANIC CWA METHODS						
Parameter ¹	Method	EPA ²⁷	Standard methods	ASTM	Other	LELAP
	ICP/MS	200.8, Rev. 5.4 (1994)	3125 B-2011	D5673-16	993.14,3 I-4472-97. ⁸¹	
	DCP ³⁶				See footnote. ³⁴	
Beryllium— Total, ⁴ mg/L	Digestion, ⁴ followed by any of the following:					
	AA direct aspiration		3111 D-2011 or 3111 E-2011	D3645-15 (A)	I-3095-85. ²	
	AA furnace		3113 B-2010	D3645-15 (B)		
	STGFAA	200.9, Rev. 2.2 (1994)				
	ICP/AES	200.5, Rev 4.2 (2003); ⁶⁸ 200.7, Rev. 4.4 (1994)	3120 B-2011	D1976-12	I-4471-97. ⁵⁰	
	ICP/MS	200.8, Rev. 5.4 (1994)	3125 B-2011	D5673-16	993.14, ³ I-4472-97. ⁸¹	
	DCP			D4190-15	See footnote. ³⁴	
	Colorimetric (aluminon)			See footnote. ⁶¹		
Cadmium— Total, ⁴ mg/L	Digestion, ⁴ followed by any of the following:					
	AA direct aspiration ³⁶		3111 B-2011 or 3111 C-2011	D3557-17 (A or B)	974.27, ³ p. 37, ⁹ I-3135-85 ² or I-3136-85. ²	
	AA furnace		3113 B-2010	D3557-17 (D)	I-4138-89. ⁵¹	

INORGANIC CWA METHODS						
Parameter ¹	Method	EPA ²⁷	Standard methods	ASTM	Other	LELAP
	STGFAA	200.9, Rev. 2.2 (1994)				
	ICP/AES ³⁶	200.5, Rev 4.2 (2003); ⁶⁸ 200.7, Rev. 4.4 (1994)	3120 B-2011	D1976-12	I-1472-85 ² or I-4471-97. ⁵⁰	
	ICP/MS	200.8, Rev. 5.4 (1994)	3125 B-2011	D5673-16	993.14, ³ I-4472-97. ⁸¹	
	DCP ³⁶			D4190-15	See footnote. ³⁴	
	Voltametry ¹¹			D3557-17 (C)		
	Colorimetric (Dithizone)			3500-Cd-D-1990		
Cobalt—Total, ⁴ mg/L	Digestion, ⁴ followed by any of the following:					
	AA direct aspiration		3111 B-2011 or 3111 C-2011	D3558-15 (A or B)	p. 37, ⁹ I-3239-85. ²	
	AA furnace		3113 B-2010	D3558-15 (C)	I-4243-89. ⁵¹	
	STGFAA	200.9, Rev. 2.2 (1994)				
	ICP/AES ³⁶	200.7, Rev. 4.4 (1994)	3120 B-2011	D1976-12	I-4471-97. ⁵⁰	
	ICP/MS	200.8, Rev. 5.4 (1994)	3125 B-2011	D5673-16	993.14, ³ I-4020-05. ⁷⁰ I-4472-97. ⁸¹	
	DCP			D4190-15	See footnote. ³⁴	

INORGANIC CWA METHODS						
Parameter ¹	Method	EPA ^{2,7}	Standard methods	ASTM	Other	LELAP
Chromium III dissolved, mg/L (No recommended direct method)	0.45-micron filtration followed by any of the following:					EPA 200.7 minus SM 3500 Cr B (calc.);
	AA chelation-extraction					EPA 6010B minus SM 3500 Cr B (calc.);
	Ion Chromatography					EPA 200.8 minus SM 3500 Cr B-2011;
	Colorimetric (diphenyl-carbazide)					EPA 6010C minus SM 3500 Cr B-2011; EPA 6010D minus SM 3500 Cr B-2011; EPA 6020B minus SM 3500 Cr B-2011
Chromium VI dissolved, mg/L	0.45-micron filtration followed by any of the following:					
	AA chelation-extraction		3111 C-2011		I-1232-85. ²	
	Ion Chromatography	218.6, Rev. 3.3 (1994)	3500-Cr C-2011	D5257-17	993.23. ³	
	Colorimetric (diphenyl-carbazide)		3500-Cr B-2011	D1687-17 (A)	I-1230-85. ²	
Chromium—Total, ⁴ mg/L	Digestion, ⁴ followed by any of the following:					

INORGANIC CWA METHODS						
Parameter ¹	Method	EPA ²⁷	Standard methods	ASTM	Other	LELAP
	AA direct aspiration ³⁶		3111 B-2011	D1687-17 (B)	974.27, ³ I-3236-85. ²	
	AA chelation-extraction		3111 C-2011			
	AA furnace		3113 B-2010	D1687-17 (C)	I-3233-93. ⁴⁶	
	STGFAA	200.9, Rev. 2.2 (1994)				
	ICP/AES ³⁶	200.5, Rev 4.2 (2003), ⁶⁸ 200.7, Rev. 4.4 (1994)	3120 B-2011	D1976-12	I-4471-97. ⁵⁰	
	ICP/MS	200.8, Rev. 5.4 (1994)	3125 B-2011	D5673-16	993.14, ³ I-4472-97. ⁸¹	
	DCP ³⁶			D4190-15	See footnote. ³⁴	
	Colorimetric (diphenyl-carbazide)		3500-Cr B-2011			
Copper— Total, ⁴ mg/L	Digestion, ⁴ followed by any of the following:					
	AA direct aspiration ³⁶		3111 B-2011 or 3111 C-2011	D1688-17 (A or B)	974.27, ³ p. 37, ⁹ I-3270-85 ² or I-3271-85. ²	
	AA furnace		3113 B-2010	D1688-17 (C)	I-4274-89. ⁵¹	
	STGFAA	200.9, Rev. 2.2 (1994)				

INORGANIC CWA METHODS

Parameter¹	Method	EPA²⁷	Standard methods	ASTM	Other	LELAP
	ICP/AES ³⁶	200.5, Rev 4.2 (2003), ⁶⁸ 200.7, Rev. 4.4 (1994)	3120 B-2011	D1976-12	I-4471-97. ⁵⁰	
	ICP/MS	200.8, Rev. 5.4 (1994)	3125 B-2011	D5673-16	993.14, ³ I-4020-05. ⁷⁰ , I-4472-97. ⁸¹	
	DCP ³⁶			D4190-15	See footnote. ³⁴	
	Colorimetric (Neocuproine)		3500-Cu B-2011			
	Colorimetric (Bathocuproine)		3500-Cu C-2011		See footnote. ¹⁹	
Iron—Total, ⁴ mg/L	Digestion, ⁴ followed by any of the following:					
	AA direct aspiration ³⁶		3111 B-2011 or 3111 C-2011	D1068-15 (A)	974.27, ³ I-3381-85. ²	
	AA furnace		3113 B-2010	D1068-15 (B)		
	STGFAA	200.9, Rev. 2.2 (1994)				
	ICP/AES ³⁶	200.5, Rev. 4.2 (2003), ⁶⁸ 200.7, Rev. 4.4 (1994)	3120 B-2011	D1976-12	I-4471-97. ⁵⁰	
	ICP/MS	200.8, Rev. 5.4 (1994)	3125 B-2011	D5673-16	993.14. ³	
	DCP ³⁶			D4190-15	See footnote. ³⁴	
	Colorimetric (Phenanthroline)		3500-Fe B-2011	D1068-15 (C)	See footnote. ²²	

INORGANIC CWA METHODS						
Parameter ¹	Method	EPA ^{2,7}	Standard methods	ASTM	Other	LELAP
Lead—Total, ⁴ mg/L	Digestion, ⁴ followed by any of the following:					
	AA direct aspiration ³⁶		3111 B-2011 or 3111 C-2011	D3559-15 (A or B)	974.27, ³ I-3399-85. ²	
	AA furnace		3113 B-2010	D3559-15 (D)	I-4403-89. ⁵¹	
	STGFAA	200.9, Rev. 2.2 (1994)				
	ICP/AES ³⁶	200.5, Rev. 4.2 (2003), ⁶⁸ 200.7, Rev. 4.4 (1994)	3120 B-2011	D1976-12	I-4471-97. ⁵⁰	
	ICP/MS	200.8, Rev. 5.4 (1994)	3125 B-2011	D5673-16	993.14, ³ I-4472-97. ⁸¹	
	DCP ³⁶			D4190-15	See footnote. ³⁴	
	Voltametry ¹¹			D3559-15 (C)		
Mercury—Total, ⁴ mg/L	Colorimetric (Dithizone)		3500-Pb B-2011			
	Cold vapor, Manual	245.1, Rev. 3.0 (1994)	3112 B-2011	D3223-17	977.22, ³ I-3462-85. ²	
	Cold vapor, Automated	245.2 (Issued 1974) ¹				
	Cold vapor atomic fluorescence spectrometry (CVAFS)	245.7 Rev. 2.0 (2005) ¹⁷			I-4464-01. ⁷¹	
Purge and Trap CVAFS	1631E ⁴³					

INORGANIC CWA METHODS

Parameter¹	Method	EPA²⁷	Standard methods	ASTM	Other	LELAP
Molybdenum— Total, ⁴ mg/L	Digestion, ⁴ followed by any of the following:					
	AA direct aspiration		3111 D-2011		I-3490-85. ²	
	AA furnace		3113 B-2010		I-3492-96. ⁴⁷	
	ICP/AES ³⁶	200.7, Rev. 4.4 (1994)	3120 B-2011	D1976-12	I-4471-97. ⁵⁰	
	ICP/MS	200.8, Rev. 5.4 (1994)	3125 B-2011	D5673-16	993.14, ³ I-4472-97. ⁸¹	
	DCP				See footnote. ³⁴	
Nickel—Total, ⁴ mg/L	Digestion, ⁴ followed by any of the following:					
	AA direct aspiration ³⁶		3111 B-2011 or 3111 C-2011	D1886-14 (A or B)	I-3499-85. ²	
	AA furnace		3113 B-2010	D1886-14 (C)	I-4503-89. ⁵¹	
	STGFAA	200.9, Rev. 2.2 (1994)				
	ICP/AES ³⁶	200.5, Rev. 4.2 (2003), ⁶⁸ 200.7, Rev. 4.4 (1994)		3120 B-2011	D1976-12	I-4471-97. ⁵⁰
	ICP/MS	200.8, Rev. 5.4 (1994)		3125 B-2011	D5673-16	993.14, ³ I-4020-05. ⁷⁰ , I-4472-97. ⁸¹
	DCP ³⁶				D4190-15	See footnote. ³⁴
Selenium—Total ⁴ , mg/L	Digestion, ⁴ followed by any of the following:					

INORGANIC CWA METHODS

Parameter¹	Method	EPA²⁷	Standard methods	ASTM	Other	LELAP
	AA furnace		3113 B-2010	D3859-15 (B)	I-4668-98. ⁴⁹	
	STGFAA	200.9, Rev. 2.2 (1994)				
	ICP/AES ³⁶	200.5, Rev 4.2 (2003) ⁶⁸ ; 200.7, Rev. 4.4 (1994)	3120 B-2011	D1976-12		
	ICP/MS	200.8, Rev. 5.4 (1994)	3125 B-2011	D5673-16	993.14, ³ I-4020-05. ⁷⁰ , I-4472-97. ⁸¹	
	AA gaseous hydride		3114 B-2011, or 3114 C-2011	D3859-15 (A)	I-3667-85. ²	
Silver—Total, ⁴ ³¹ mg/L	Digestion, ⁴²⁹ followed by any of the following:					
	AA direct aspiration		3111 B-2011 or 3111 C-2011		974.27, ³ p. 37, ⁹ I-3720-85. ²	
	AA furnace		3113 B-2010		I-4724-89. ⁵¹	
	STGFAA	200.9, Rev. 2.2 (1994)				
	ICP/AES	200.5, Rev. 4.2 (2003) ⁶⁸ ; 200.7, Rev. 4.4 (1994)	3120 B-2011	D1976-12	I-4471-97. ⁵⁰	
	ICP/MS	200.8, Rev. 5.4 (1994)	3125 B-2011	D5673-16	993.14, ³ I-4472-97. ⁸¹	
	DCP				See footnote. ³⁴	

INORGANIC CWA METHODS						
Parameter ¹	Method	EPA ^{2,7}	Standard methods	ASTM	Other	LELAP
Thallium— Total, ⁴ mg/L	Digestion, ⁴ followed by any of the following:					
	AA direct aspiration		3111 B-2011			
	AA furnace	279.2 (Issued 1978) ¹	3113 B-2010			
	STGFAA	200.9, Rev. 2.2 (1994)				
	ICP/AES	200.7, Rev. 4.4 (1994)	3120 B-2011	D1976-12		
	ICP/MS	200.8, Rev. 5.4 (1994)	3125 B-2011	D5673-16	993.14, ³ I-4471-97. ⁵⁰ , I-4472-97. ⁸¹	
Tin—Total, ⁴ mg/L	Digestion, ⁴ followed by any of the following:					
	AA direct aspiration		3111 B-2011		I-3850-78. ⁸	
	AA furnace		3113 B-2010			
	STGFAA	200.9, Rev. 2.2 (1994)				
	ICP/AES	200.5, Rev. 4.2 (2003) ⁶⁸ ; 200.7, Rev. 4.4 (1994)				
	ICP/MS	200.8, Rev. 5.4 (1994)	3125 B-2011	D5673-16	993.14. ³	
Zinc—Total, ⁴ mg/L	Digestion, ⁴ followed by any of the following:					

INORGANIC CWA METHODS						
Parameter ¹	Method	EPA ²⁷	Standard methods	ASTM	Other	LELAP
	AA direct aspiration ³⁶		3111 B-2011 or 3111 C-2011	D1691-17 (A or B)	974.27, ³ p. 37, ⁹ I-3900-85. ²	
	AA furnace	289.2 (Issued 1978) ¹				
	ICP/AES ³⁶	200.5, Rev. 4.2 (2003) ⁶⁸ ; 200.7, Rev. 4.4 (1994)	3120 B-2011	D1976-12	I-4471-97. ⁵⁰	
	ICP/MS	200.8, Rev. 5.4 (1994)	3125 B-2011	D5673-16	993.14, ³ I-4020-05. ⁷⁰ I-4472-97. ⁸¹	
	DCP ³⁶			D4190-15	See footnote. ³⁴	
	Colorimetric (Zincon)		3500 Zn B-2011		See footnote. ³³	
OTHER INORGANIC TESTS						
Ammonia (as N), mg/L	Manual distillation ⁶ or gas diffusion (pH > 11), followed by any of the following:	350.1, Rev. 2.0 (1993)	4500-NH ₃ B-2011		973.49. ³	
	Nesslerization			D1426-15 (A)	973.49, ³ I-3520-85. ²	
	Titration		4500-NH ₃ C-2011			
	Electrode		4500-NH ₃ D-2011 or E-2011	D1426-15 (B)		

INORGANIC CWA METHODS						
Parameter ¹	Method	EPA ²⁷	Standard methods	ASTM	Other	LELAP
	Manual phenate, salicylate, or other substituted phenols in Berthelot reaction based methods		4500-NH ₃ F-2011		See footnote. ⁶⁰	
	Automated phenate, salicylate, or other substituted phenols in Berthelot reaction based methods	350.1, ³⁰ Rev. 2.0 (1993)	4500-NH ₃ G-2011, 4500-NH ₃ H-2011		I-4523-85. ² I-2522-90 ⁸⁰	
	Automated electrode				See footnote. ⁷	
	Ion Chromatography			D6919-17		
	Automated gas diffusion, followed by conductivity cell analysis				Timberline Ammonia-001. ⁷⁴	
	Automated gas diffusion, followed by fluorescence detector analysis				FIALab100 ⁸²	
Biochemical oxygen demand (BOD ₅), mg/L	Dissolved Oxygen Depletion		5210 B-2016		973.44, ³ p. 17, ⁹ I-1578-78, ⁸ See footnote. ^{10 63}	
Carbonaceous Biochemical Oxygen Demand (CBOD ₅)	Dissolved Oxygen Depletion form only carbonaceous sources		5210 B-2016			
Chemical oxygen demand (COD), mg/L	Titrimetric	410.3 (Rev. 1978) ¹	5220 B-2011 or C-2011	D1252-12 (A)	973.46, ³ p. 17, ⁹ I-3560-85. ²	
	Spectrophotometric, manual or automatic	410.4, Rev. 2.0 (1993)	5220 D-2011	D1252-12 (B)	See footnotes. ^{13 14 83} , I-3561-85. ²	
Chlorine-Free Available, mg/L	Amperometric direct		4500-Cl D-2011	D1253-14		

INORGANIC CWA METHODS						
Parameter ¹	Method	EPA ²⁷	Standard methods	ASTM	Other	LELAP
	Amperometric direct (low level)		4500-Cl E-2011			
	DPD-FAS		4500-Cl F-2011			
	Spectrophotometric, DPD		4500-Cl G-2011			
Chlorine-Total residual, mg/L	Amperometric direct		4500-Cl D-2011	D1253-14		
	Amperometric direct (low level)		4500-Cl E-2011			
	Iodometric direct		4500-Cl B-2011			
	Back titration ether end-point ¹⁵		4500-Cl C-2011			
	DPD-FAS		4500-Cl F-2011			
	Spectrophotometric, DPD		4500-Cl G-2011			
	Electrode					See footnote. ¹⁶
Chloride, mg/L	Titrimetric: (silver nitrate)		4500-Cl ⁻ B-2011	D512-12 (B)	I-1183-85. ²	
	(Mercuric nitrate)		4500-Cl ⁻ C-2011	D512-12 (A)	973.51, ³ I-1184-85. ²	
	Colorimetric: Manual				I-1187-85. ²	
	Automated (ferricyanide)		4500-Cl ⁻ E-2011		I-2187-85. ²	
	Potentiometric Titration		4500-Cl ⁻ D-2011			
	Ion Selective Electrode				D512-12 (C)	

INORGANIC CWA METHODS						
Parameter ¹	Method	EPA ²⁷	Standard methods	ASTM	Other	LELAP
	Ion Chromatography	300.0, Rev 2.1 (1993) and 300.1, Rev 1.0 (1997)	4110 B-2011 or 4110 C-2011	D4327-17	993.30, ³ I-2057-90. ⁵¹	
	CIE/UV		4140 B-2011	D6508-15	D6508, Rev. 2. ⁵⁴	
Color, platinum cobalt units or dominant wavelength, hue, luminance purity	Colorimetric (ADMI)		2120 F-2011 ⁷⁸			
	Platinum cobalt visual comparison		2120 B-2011		I-1250-85. ²	
	Spectrophotometric				See footnote. ¹⁸	
Cyanide—Total, mg/L	Automated UV digestion/distillation and Colorimetry				Kelada-01. ⁵⁵	
	Segmented Flow Injection, In-Line Ultraviolet Digestion, followed by gas diffusion amperometry			D7511-12 (17)		
	Manual distillation with MgCl ₂ , followed by any of the following:	335.4, Rev. 1.0 (1993) ⁵⁷	4500-CN ⁻ B-2016 and C-2016	D2036-09(15)(A), D7284-13 (17)	10-204-00-1-X. ⁵⁶	
	Flow Injection, gas diffusion amperometry			, D7284-13 (17)		
	Titrimetric		4500-CN ⁻ D-2016	D2036-09(15)(A)	p. 22. ⁹	
	Spectrophotometric, manual		4500-CN ⁻ E-2016	D2036-09(15)(A)	I-3300-85. ²	
	Semi-Automated ²⁰	335.4, Rev. 1.0 (1993) ⁵⁷			10-204-00-1-X, ⁵⁶ I-4302-85. ²	

INORGANIC CWA METHODS						
Parameter ¹	Method	EPA ²⁷	Standard methods	ASTM	Other	LELAP
	Ion Chromatography			D2036-09(15)(A)		
	Ion Selective Electrode		4500-CN ⁻ F-2016	D2036-09(15)(A)		
Dissolved Oxygen	Winkler (Azide Modification)		4500-O (B-F) - 2016	D888 – 12 (A)	973.45B, I-1575-78	
	Electrode		4500-O G-2016	D888 – 12 (B)	I-1576-78	
	Luminescence Based Sensor		4500-O H-2016	D888 – 12 (C)		
Fluoride—Total, mg/L	Manual distillation, ⁶ followed by any of the following:		4500-F ⁻ B-2011	D1179-16 (A)		
	Electrode, manual		4500-F ⁻ C-2011	D1179-19 (B)		
	Electrode, automated				I-4327-85. ²	
	Colorimetric, (SPADNS)		4500-F ⁻ D-2011			
	Automated complexone		4500-F ⁻ E-2011			
	Ion Chromatography	300.0, Rev 2.1 (1993) and 300.1, Rev 1.0 (1997)	4110 B-2011 or C-2011	D4327-17	993.30. ³	
	CIE/UV		4140 B-2011	D6508-15	D6508, Rev. 2. ⁵⁴	
Hardness—Total, as CaCO ₃ , mg/L	Automated colorimetric	130.1 (Issued 1971) ¹				
	Titrimetric (EDTA)		2340 C-2011	D1126-17	973.52B, ³ I-1338-85. ²	

INORGANIC CWA METHODS						
Parameter ¹	Method	EPA ²⁷	Standard methods	ASTM	Other	LELAP
	Ca plus Mg as their carbonates, by any approved method for Ca and Mg (See Parameters 13 and 33), provided that the sum of the lowest point of quantitation for Ca and Mg is below the NPDES permit requirement for Hardness.		2340 B-2011			
Kjeldahl Nitrogen ⁵ — Total, (as N), mg/L	Manual digestion ²⁰ and distillation or gas diffusion, followed by any of the following:		4500-N _{org} B-2011 or C-2011 and 4500-NH ₃ B-2011	D3590-17 (A)	I-4515-91. ⁴⁵	
	Titration		4500-NH ₃ C-2011		973.48. ³	
	Nesslerization			D1426-15 (A)		
	Electrode		4500-NH ₃ D-2011 or E-2011	D1426-15 (B)		
	Semi-automated phenate	350.1, Rev. 2.0 (1993)	4500-NH ₃ G-2011 4500-NH ₃ H-2011			
	Manual phenate, salicylate, or other substituted phenols in Berthelot reaction based methods		4500-NH ₃ F-2011		See footnote. ⁶⁰	

INORGANIC CWA METHODS

Parameter¹	Method	EPA²⁷	Standard methods	ASTM	Other	LELAP
	Automated gas diffusion, followed by conductivity cell analysis				Timberline Ammonia-001. ⁷⁴	
	Automated gas diffusion, followed by fluorescence detector analysis				FIALab 100. ⁸²	
	Automated Methods for TKN that do not require manual distillation.					
	Automated phenate, salicylate, or other substituted phenols in Berthelot reaction based methods colorimetric (auto digestion and distillation)	351.1 (Rev. 1978) ¹			I-4551-78. ⁸	
	Semi-automated block digester colorimetric (distillation not required)	351.2, Rev. 2.0 (1993)	4500-N _{org} D-2011	D3590-17 (B)	I-4515-91. ⁴⁵	
	Block digester, followed by Auto distillation and Titration				See footnote. ³⁹	
	Block digester, followed by Auto distillation and Nesslerization				See footnote. ⁴⁰	
	Block Digester, followed by Flow injection gas diffusion (distillation not required)				See footnote. ⁴¹	

INORGANIC CWA METHODS						
Parameter ¹	Method	EPA ^{2,7}	Standard methods	ASTM	Other	LELAP
	Digestion with peroxodisulfate, followed by Spectrophotometric (2,6-dimethyl phenol)				Hach 10242. ⁷⁶	
	Digestion with persulfate, followed by Colorimetric				NCASI TNTP W10900. ⁷⁷	
Nitrate (as N), mg/L	Ion Chromatography	300.0, Rev. 2.1 (1993) and 300.1, Rev. 1.0 (1997)	4110 B-2011 or C-2011	D4327-17	993.30. ³	
	CIE/UV		4140 B-2011	D6508-15	D6508, Rev. 2. ⁵⁴	
	Ion Selective Electrode		4500-NO ₃ ⁻ D-2016			
	Colorimetric (Brucine sulfate)	352.1 (Issued 1971) ¹			973.50, ³ 419D ¹ ⁷ p. 28. ⁹	
	Spectrophotometric (2,6-dimethylphenol)				Hach 10206. ⁷⁵	
	Nitrate-nitrite N minus Nitrite N (See parameters 39 and 40)					
39. Nitrate-nitrite (as N), mg/L	Cadmium reduction, Manual		4500-NO ₃ ⁻ E-2016	D3867-16 (B)		
	Cadmium reduction, Automated	353.2, Rev. 2.0 (1993)	4500-NO ₃ ⁻ F-2016, 4500-NO ₃ ⁻ I-2016	D3867-16 (A)	I-2545-90. ⁵¹	

INORGANIC CWA METHODS						
Parameter ¹	Method	EPA ^{2,7}	Standard methods	ASTM	Other	LELAP
	Automated hydrazine		4500-NO ₃ ⁻ H-2016			
	Reduction/Colorimetric				See footnote. ⁶²	
	Ion Chromatography	300.0, Rev. 2.1 (1993) and 300.1, Rev. 1.0 (1997)	4110 B-2011 or C-2011	D4327-17	993.30. ³	
	CIE/UV		4140 B-2011	D6508-15	D6508, Rev. 2. ⁵⁴	
	Enzymatic reduction, followed by automated colorimetric determination			D7781-14	I-2547-11, ⁷² I-2548-11, ⁷² N07-0003. ⁷³	
	Enzymatic reduction, followed by manual colorimetric determination		4500-NO ₃ ⁻ J-2018			
	Spectrophotometric (2,6-dimethylphenol)				Hach 10206. ⁷⁵	
40. Nitrite (as N), mg/L	Spectrophotometric: Manual		4500-NO ₂ ⁻ B-2011		See footnote. ²⁵	
	Automated (Diazotization)				I-4540-85, ² See footnote. ⁶² , I-2540-90 ⁸⁰	
	Automated (*bypass cadmium reduction)	353.2, Rev. 2.0 (1993)	4500-NO ₃ ⁻ F-2016, 4500-NO ₃ ⁻ I-2016	D3867-16 (A)	I-4545-85. ²	

INORGANIC CWA METHODS						
Parameter ¹	Method	EPA ²⁷	Standard methods	ASTM	Other	LELAP
	Manual (*bypass cadmium reduction)		4500-NO ₃ ⁻ E-2016, 4500-NO ₃ ⁻ J-2018	D3867-16 (B)		
	Ion Chromatography	300.0, Rev. 2.1 (1993) and 300.1, Rev. 1.0 (1997)	4110 B-2011 or C-2011	D4327-17	993.30. ³	
	CIE/UV		4140 B-2011	D6508-15	D6508, Rev. 2. ⁵⁴	
	Automated (*bypass Enzymatic reduction)			D7781-14	I-2547-11, ⁷² I-2548-11, ⁷² N07-0003. ⁷³	
Total Nitrogen, mg/L as N (No recommended direct method)	The sum of TKN and Total nitrate-nitrite (all expressed as N)					SM 4500-N C Modified VTDEC, 21st ED; EPA 300.0 plus EPA 351.2 (calc.); TKN + Total nitrate-nitrite
Oil and grease— Total recoverable, mg/L	Hexane extractable material (HEM): n-Hexane extraction and gravimetry	1664 Rev. A; 1664 Rev. B ⁴²	5520 B-2011 ³⁸			
	Silica gel treated HEM (SGT-HEM): Silica gel treatment and gravimetry	1664 Rev. A; 1664 Rev. B ⁴²	5520 B-2011 ³⁸ and 5520 F-2011 ³⁸			

INORGANIC CWA METHODS						
Parameter ¹	Method	EPA ²⁷	Standard methods	ASTM	Other	LELAP
Organic carbon— Total (TOC), mg/L	Combustion		5310 B-2014	D7573-09 (17)	973.47, ³ p. 14. ²⁴	
	Heated persulfate or UV persulfate oxidation		5310 C-2014, 5310 D-2011	D4839-03 (17)	973.47, ³ p. 14. ²⁴	
Phosphorus, Dissolved mg/L (No recommended method)	The dissolved phosphorus test measures that fraction of the total phosphorus which is in solution in the water (as opposed to being attached to suspended particles). It is determined by first filtering the sample, then analyzing the filtered sample for total phosphorus.					
Phosphorus—Total, mg/L	Digestion, ²⁰ followed by any of the following:		4500-P B(5)-2011		973.55. ³	
	Manual	365.3 (Issued 1978) ¹	4500-P E-2011	D515-88 (A)		
	Automated ascorbic acid reduction	365.1 Rev. 2.0 (1993)	4500-P (F-H)-2011		973.56, ³ I-4600-85. ²	
	ICP/AES ⁴³⁶	200.7, Rev. 4.4 (1994)	3120 B-2011		I-4471-97. ⁵⁰	
	Semi-automated block digester (TKP digestion)	365.4 (Issued 1974) ¹		D515-88 (B)	I-4610-91. ⁴⁸	
	Digestion with persulfate, followed by Colorimetric				NCASI TNTP W10900. ⁷⁷	

INORGANIC CWA METHODS						
Parameter ¹	Method	EPA ^{2,7}	Standard methods	ASTM	Other	LELAP
Residue—non-filterable (TSS), mg/L	Gravimetric, 103-105° post washing of residue		2540 D-2015	D5907-13	I-3765-85. ²	
Residue—filterable (TDS), mg/L	Gravimetric, 180°		2540 C-2015	D5907-13	I-1750-85. ²	
Residue—Total, mg/L	Gravimetric, 103-105°		2540 B-2015		I-3750-85. ²	
Residue—Volatile, mg/L	Gravimetric, 550°	160.4 (Issued 1971) ¹	2540-E-2015		I-3753-85. ²	
Sulfate (as SO ₄), mg/L	Automated colorimetric	375.2, Rev. 2.0 (1993)	4500-SO ₄ ²⁻ F-2011 or G-2011			
	Gravimetric		4500-SO ₄ ²⁻ C-2011 or D-2011		925.54. ³	
	Turbidimetric		4500-SO ₄ ²⁻ E-2011	D516-16		
	Ion Chromatography	300.0, Rev. 2.1 (1993) and 300.1, Rev. 1.0 (1997)	4110 B-2011 or C-2011	D4327-17	993.30, ³ I-4020-05. ⁷⁰	
	CIE/UV		4140 B-2011	D6508-15	D6508, Rev. 2. ⁵⁴	
Surfactants (MBAs)	Colorimetric (methylene blue)		5540C-2011	D2330-02		
Turbidity (NTU))	Nephelometric	180.1, Rev. 2.0 (1993)	2130 B-2011	D1889-00	I-3860-85	

Recommended PFAS Methods		
CWA Method	Draft, single-laboratory validated, direct injection EPA method for 40 PFAS in wastewater, surface water, groundwater, soil, biosolids, sediment, landfill leachate, and fish tissue.	Draft Method 1633
CWA Method	Screening Method for the Determination of Adsorbable Organic Fluorine (AOF) in Aqueous Matrices by Combustion Ion Chromatography (CIC),” a single-laboratory validated method to screen for organofluorines in wastewater.	Draft Method 1621
SW – 846 Method	Direct injection method for non-drinking water aqueous (groundwater, surface water, and wastewater) samples. Validated for 24 analytes.	SW 846 - 8327 Using external Standard calibration and MRM LC/MS/MS (2019)

40 Validated PFAS Compounds		
Target Analyte Name	Abbreviation	CAS Number
Perfluoroalkyl carboxylic acids		
Perfluorobutanoic acid	PFBA	375-22-4
Perfluoropentanoic acid	PFPeA	2706-90-3
Perfluorohexanoic acid	PFHxA	307-24-4
Perfluoroheptanoic acid	PFHpA	375-85-9
Perfluorooctanoic acid	PFOA	335-67-1
Perfluorononanoic acid	PFNA	375-95-1
Perfluorodecanoic acid	PFDA	335-76-2
Perfluoroundecanoic acid	PFUnA	2058-94-8
Perfluorododecanoic acid	PFDoA	307-55-1
Perfluorotridecanoic acid	PFTTrDA	72629-94-8
Perfluorotetradecanoic acid	PFTeDA	376-06-7
Perfluoroalkyl sulfonic acids		
Acid Form		
Perfluorobutanesulfonic acid	PFBS	375-73-5
Perfluoropentanesulfonic acid	PFPeS	2706-91-4
Perfluorohexanesulfonic acid	PFHxS	355-46-4
Perfluoroheptanesulfonic acid	PFHpS	375-92-8
Perfluorooctanesulfonic acid	PFOS	1763-23-1
Perfluorononanesulfonic acid	PFNS	68259-12-1
Perfluorodecanesulfonic acid	PFDS	335-77-3
Perfluorododecanesulfonic acid	PFDoS	79780-39-5

Fluorotelomer sulfonic acids		
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	4:2FTS	757124-72-4
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid	6:2FTS	27619-97-2
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid	8:2FTS	39108-34-4
<i>Perfluorooctane sulfonamides</i>		
Perfluorooctanesulfonamide	PFOSA	754-91-6
N-methyl perfluorooctanesulfonamide	NMeFOSA	31506-32-8
N-ethyl perfluorooctanesulfonamide	NEtFOSA	4151-50-2
<i>Perfluorooctane sulfonamidoacetic acids</i>		
N-methyl perfluorooctanesulfonamidoacetic acid	NMeFOSAA	2355-31-9
N-ethyl perfluorooctanesulfonamidoacetic acid	NEtFOSAA	2991-50-6
<i>Perfluorooctane sulfonamide ethanols</i>		
N-methyl perfluorooctanesulfonamidoethanol	NMeFOSE	24448-09-7
N-ethyl perfluorooctanesulfonamidoethanol	NEtFOSE	1691-99-2
Per- and Polyfluoroether carboxylic acids		
Hexafluoropropylene oxide dimer acid	HFPO-DA	13252-13-6
4,8-Dioxa-3H-perfluorononanoic acid	ADONA	919005-14-4
Perfluoro-3-methoxypropanoic acid	PFMPA	377-73-1
Perfluoro-4-methoxybutanoic acid	PFMBA	863090-89-5
Nonafluoro-3,6-dioxaheptanoic acid	NFDHA	151772-58-6
Ether sulfonic acids		
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	9Cl-PF3ONS	756426-58-1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	11Cl-PF3OUdS	763051-92-9
Perfluoro(2-ethoxyethane)sulfonic acid	PFEESA	113507-82-7
Fluorotelomer carboxylic acids		
3-Perfluoropropyl propanoic acid	3:3FTCA	356-02-5
2H,2H,3H,3H-Perfluorooctanoic acid	5:3FTCA	914637-49-3
3-Perfluoroheptyl propanoic acid	7:3FTCA	812-70-4