

THE SCHOOL DISTRICT OF PHILADELPHIA OFFICE OF CAPITAL PROGRAMS

440 NORTH BROAD STREET, 3RD FLOOR PHILADELPHIA,
PENNSYLVANIA 19130-4015 TELEPHONE (215) 400-4730 /
FAX (215) 400-4731



**REQUEST FOR
PROPOSAL/QUALIFICATIONS
TO PROVIDE
PROFESSIONAL
ENVIRONMENTAL CONSULTING SERVICES
FOR
INDOOR AIR QUALITY,
AIR QUALITY EMISSIONS
AND
RADON**

1.0 Subject

The School District of Philadelphia's (District) Office of Capital Programs is requesting proposals to provide PROFESSIONAL ENVIRONMENTAL CONSULTING SERVICES INDOOR AIR QUALITY, AIR QUALITY EMISSIONS, AND RADON firms for five (4) fiscal years (July 1, 2018 through June 30, 2022).

The School District of Philadelphia, intends to make awards for professional service contracts to one or more vendors who can provide experienced and quality professional consulting services.

(THE SCHOOL DISTRICT OF PHILADELPHIA RESERVES THE RIGHT TO AWARD THIS CONTRACT IN ITS BEST INTEREST.)

2.0 Place and Date of Submission

One (1) original and four (4) copies each of the Technical Proposal and Fee Proposal and 1 USB locked copy shall be submitted in separate sealed envelopes clearly marked – PROFESSIONAL ENVIRONMENTAL CONSULTING SERVICES INDOOR AIR QUALITY, AIR QUALITY EMISSIONS, AND RADON **TECHNICAL PROPOSAL**” and PROFESSIONAL ENVIRONMENTAL CONSULTING SERVICES INDOOR AIR QUALITY, AIR QUALITY EMISSIONS, AND RADON – **FEE PROPOSAL**” with the name of the proposing firm and their address.

Faxed and electronically transmitted proposals will not be accepted.

Responses can be submitted and will be reviewed promptly at any time but must be received by no later than Friday, May 29, 2020 at 3:00 PM.

The proposal shall be addressed to:

The School District Philadelphia
Office of Capital Programs
440 North Broad Street, "Portal C" Third Floor
Philadelphia, PA 19130
Attn: Jesse Jones, Contracts Manager

It is the submitting firm's responsibility to ensure timely delivery of the RFP at the designated location. We strongly urge that proposals be hand delivered to avoid delivery delays within the District's mail room. Failure to meet this deadline, unless extended by the District, will result in immediate disqualification. The District reserves the right to accept RFP responses received after this date and time if it is determined to be in the best interests of the School District to do so.

3.0 Questions and Communications

Please include in all e-mail communications regarding this RFP "PROFESSIONAL ENVIRONMENTAL CONSULTING SERVICES INDOOR AIR QUALITY, AIR QUALITY EMISSIONS, AND RADON RFP." in the e-mail subject.

All questions must be submitted in writing via e-mail to capitalbids@philasd.org no later than 10:00am on May 15, 2020. The e-mail must include "PROFESSIONAL ENVIRONMENTAL CONSULTING SERVICES INDOOR AIR QUALITY, AIR QUALITY EMISSIONS, AND RADON RFP" in the subject line. The District will not be bound by any oral communications. All responses, including addenda to the RFP, will be provided for every inquiry and posted on the District's website just below the advertisement of the RFP. From the date of release of the RFP to the date of authorization of a contract, there shall be no communication concerning the RFP between prospective respondents and/or their agents or staff with any District staff, except as provided in the RFP. Communication with other District staff is expressly prohibited. Any communication in violation of this provision will not be binding on the District and shall be grounds for immediate disqualification.

4.0 Schedule and Milestone Dates:

Deadline for all RFP Questions	May 15, 2020 2:00pm
Answers to questions posted online	May 22, 2020, 5:00pm
Due date for submission of proposals	May 29, 3:00pm
Anticipated date of contract award by	Each contract will be awarded as soon possible as approved

Project Scope

5.1 AIR QUALITY SERVICES

A. AIR QUALITY EMISSIONS CONSULTANT SERVICES

1. THE SCHOOL DISTRICT OF PHILADELPHIA'S Office of Environmental Management and Services may request the Consultant(s) to determine air quality emissions emanating from various facilities throughout THE SCHOOL DISTRICT OF PHILADELPHIA.
2. THE SCHOOL DISTRICT OF PHILADELPHIA has facilities which burn oil and natural gas to produce steam for heating. Burning of these fuels produce Emissions. For these reasons, THE SCHOOL DISTRICT OF PHILADELPHIA'S Office of Environmental Management and Services, may require the Consultant(s) to develop and implement an emissions equipment database and tracking program to assist with Federal, State and Local installation and operating permit requirements.
3. The Consultant(s) must be familiar with the State of Pennsylvania's Environmental Quality Board's Rules and Regulations 25PA Code Chapter 121 and 127 and the State of Pennsylvania's Pollution Control Act (35 P.S. 4005 (a) (1) and the Federal Clean Air Act (CAA) C42 U.S.C.A. 7511a (a) (2) (c).
4. The Consultant(s) will act as THE SCHOOL DISTRICT OF PHILADELPHIA'S Agent in preparing and submitting Best Available Control Technology (BACT) Proposals to the Pennsylvania Department of Environmental Resources the USEPA and the City of Philadelphia Department of Air Management and Services, if required.
5. The Consultant(s) will act as THE SCHOOL DISTRICT OF PHILADELPHIA'S Representative in all dealings with Federal, State, and Local agencies concerning air quality emissions from the SCHOOL DISTRICT OF PHILADELPHIA'S facilities.

B. INDOOR AIR QUALITY CONSULTING SERVICES

1. THE SCHOOL DISTRICT OF PHILADELPHIA'S Office of Environmental Management and Services is responsible for assuring that all SCHOOL DISTRICT facilities offer a safe and healthy environment for students, staff and visitors.
2. THE SCHOOL DISTRICT OF PHILADELPHIA'S Office of Environmental Management and Services are seeking experienced environmental Consultant to assist in Indoor Air Quality Investigations and designing solutions to improve the indoor air quality.
3. The Consultant will be assigned to test for various potential air quality contaminants such as carbon dioxide, volatile organic compounds, formaldehyde, airborne dust, biological contaminants, combustion products, organic gases, etc. The Consultant may also be required to conduct comprehensive Heating, Ventilation and Air Conditioning (HVAC)

system analysis.

C. RADON TESTING AND CONSULTING SERVICES

1. Introduction

The U.S. Environmental Protection Agency (EPA) and other major national and international scientific organizations have concluded that radon is a human carcinogen and a serious environmental health problem. Early concern about indoor radon focused primarily on the hazard posed in the home. More recently, the EPA has conducted extensive research on the presence and measurement of radon in schools. Initial reports from some of those studies prompted the Administrator in 1989 to recommend that schools nationwide be tested for the presence of radon. Based on more recent findings, EPA continues to advise U.S. schools to test for radon and to reduce levels to below 4 pCi/L.

2. **THE SCHOOL DISTRICT OF PHILADELPHIA'S OFFICE OF ENVIRONMENTAL MANAGEMENT AND SERVICES** may require radon consultant services to conduct radon testing and to design radon reduction systems at various school facilities.

The Consultant must be familiar with the following radon policies and documents:

- a. A CITIZEN'S GUIDE TO RADON (Second Edition, EPA 402-K-92-001, May 1992).
 - b. INDOOR RADON AND RADON DECAY PRODUCT MEASUREMENT DEVICE PROTOCOLS (402-R-92-004, July 1992).
 - c. THE CONSUMER'S GUIDE TO RADON REDUCTION (EPA 402-K-92-003).
 - d. RADON REFERENCE MANUAL (EPA 520/1-87-20).
 - e. RMP HANDBOOK (EPA 520/1-91-006, February 1991).
 - f. RMP PROGRAM APPLICATION DEVICE CHECKLISTS (EPA 520/1-91-007, February 1991).
 - g. RCP PROGRAM APPLICATION AND INSTRUCTIONS (EPA 520/1-91-008, February 1991).
 - h. RCP INTERIM MITIGATION STANDARDS, (December 15, 1991, including Addendum 5.8).
3. The Consultant's radon personnel who will place or retrieve radon testing devices for THE SCHOOL DISTRICT OF PHILADELPHIA'S Office of Environmental Management and Services must have passed the EPA RMP exam and be listed with the EPA RMP program and have written authorization from the Pennsylvania Department of Environmental Resources, Bureau of Radiation Protection.
 4. The consulting firm must be a certified testing firm and certified laboratory in accordance with the Pennsylvania Radon Rules and Regulations 25 PA. Code 240, Section 240.102(b) and Section 240.122 (b).
 5. A Radon Laboratory Quality Assurance Plan must be submitted in response to this RFP/RFQ.

6. The Consultant must be experienced and possess the equipment to conduct radon testing utilizing the following devices:
 - a. Activated Charcoal Absorption Devices
 - b. Charcoal Liquid Scintillation Devices
 - c. Electret-Ion Chambers
 - d. Alpha Track Detectors
7. The Consultant will be responsible for placing and retrieving all passive radon testing devices. A comprehensive final written report including recommendations will be required within seven (7) days of testing.

6.0 Proposal Requirements

Technical proposals shall provide the following required information and adhere to the following organization in the proposal by providing **tabs** for sections listed below as noted.

Tab 1– Cover Letter, Table of Contents and Legal Structure of Firm

- Provide a cover letter that references the PROFESSIONAL ENVIRONMENTAL CONSULTING SERVICES INDOOR AIR QUALITY, AIR QUALITY EMISSIONS, AND RADON RFP and confirms that all elements of the RFP have been read and understood. The cover letter shall be signed by an individual authorized to contractually bind the proposer and shall include Attachment F (Acceptance of Terms and Conditions of the Contract). In the event that the firm does not provide signed and sealed Attachment F, the District will deem the firm’s proposal non-responsive to the RFP.
- Identification of the legal structure of the firm, or consortium of firms, making the proposal. Discuss the organizational structure for the project, the management approach and how each partner and major subcontractor in the structure fits into the overall team.
- Table of Contents

Tab 2 – Experience

Provide the following specific information:

- 1). A Plan outline and/or experience description to develop and implement an emissions equipment database and tracking program to assist with Federal, State and Local installation and operating permit requirements.
- 2). A plan outline and/or experience description to test for various potential air quality contaminants such as carbon dioxide, volatile organic compounds, formaldehyde, airborne dust, biological contaminants, combustion products, organic gases, etc. The Consultant may also be required to conduct comprehensive Heating, Ventilation and Air Conditioning (HVAC) system analysis.
- 3). A plan outline and/or experience description of radon consultant services to conduct radon testing and to design radon reduction systems at various school facilities.

Tab 3 – Project Organization, Personnel Experience, and Qualifications

Define the key personnel who will perform the tasks outlined in the scope of this RFP, the decision-making ability in the process, and the qualifications of the key personnel. At a minimum, include the following:

- The various Project Manager’s qualifications and experience in developing and managing items outlined in Tab 2.
- The Organization Chart to include key personnel responsible for completing all tasks of this RFP as outlined in the Scope.
- Key personnel experience and educational requirements.
- “Certificate of Authorization” from the State granting the authority of the proposing Laboratory firm to any applicable testing and analytical services in the Commonwealth of Pennsylvania.
- Three references of PROFESSIONAL ENVIRONMENTAL CONSULTING SERVICES INDOOR AIR QUALITY, AIR QUALITY EMISSIONS, AND RADON services similar to the requirements of this RFP with other school districts. (Do not list School District of Philadelphia references).

Tab 4 – Project Schedule and Plan

Provide a conceptual schedule and plan that includes the following:

- Data Management and communication with District
- Data Reporting and public communication
- Final Report submission

Tab 5 – Proof of Current Insurance Coverage

The firm shall provide a Certificate(s) of Insurance reflecting current insurance coverage of the firm for the following:

- Workers' Compensation and Employees' Liability Insurance
- Commercial General Liability Insurance
- Automobile Liability Insurance
- Professional Liability Insurance
- Excess Umbrella Insurance

Successful proposer(s) must provide evidence of current insurance coverage prior to the execution of the Contract for the PROFESSIONAL ENVIRONMENTAL CONSULTING SERVICES INDOOR AIR QUALITY, AIR QUALITY EMISSIONS, AND RADON services firm. The amounts and types of such insurance coverage are as indicated in the consulting services sample Contract that will be posted with this RFP.

Tab 6 – Good Standing or Subsistence Certificate

All firms must submit a copy of their firm's Good Standing or Subsistence Certificate issued by the Pennsylvania Department of State, Corporation Bureau. You can contract the Corporation Bureau at (717) 787-1057 or you can go online and order the Certificate. You may have to register your company before ordering.

Tab 7 – Completed Executed Attachments

The RFP proposing firm shall complete attachments as follows:

1. Attachment A – Complete the Disclosure of Ownership form.
2. Attachment B – Equal Opportunity
3. Attachment C – Review and sign the Anti-Discrimination Policy.
The proposer shall not discriminate in employment and shall abide by all anti-discrimination laws.
4. Attachment D – MBE/WBE Participation Plan
5. The MBE/WBE Participation Goal will be set for the entire duration of the project. See Attachment "C", ANTI- DISCRIMINATION POLICY, for details. Proposers must complete and sign Attachment "D", MBE/WBE Participation Plan. Proposers shall identify the specific firms that make up its commitment to the percentage goals stated. Do not put TBD (to be determined) for M/WBE participation goals. Goals are scored by the % provided in Attachment "D", M/WBE

Participation Plan of your Proposal.

6. Attachment F – Acceptance of Terms and Conditions of the Contract

In the event that the firm does not provide signed and sealed Attachment F, the District will deem the firm’s proposal non-responsive to the RFP.

7. Attachment G – City of Philadelphia Tax Compliance Certificate

The District will not enter into a contract with a firm, business, or other legal entity that has not submitted a copy of its “Certificate of Tax Clearance” with the City of Philadelphia to the District. See the attachment for the City of Philadelphia website to obtain the certificate and the City of Philadelphia Department of Revenue Tax Clearance Unit phone number.

8. Attachment H- Fee Schedules for INDOOR AIR QUALITY, AIR QUALITY EMISSIONS, AND RADON
(Must be separate from proposal)

Tab 8 – Acknowledgement of Receipt of Addenda (if any)

The firm will acknowledge and list the number of addenda received.

Tab 9 – Company’s Financial Statements

The proposing firm must provide a copy of the most current financial statement. Audited financial statements are preferred. If not available, provide reviewed financial statements or compilation.

7.0 Fee Proposal

Firms responding to the RFP shall complete and return a separate fee proposal in a separate sealed envelope at the same time as their technical proposals. **If it is deemed to be in the best interest of the District, the District may select one or more vendors for these services. In addition, the District does not guarantee any amount or percentage of the work to any vendor.**

All fees are to be provided on the “ fee template” provided (Attachment H) in this RFP. All fee line items must be completed and no changes, deletions or exceptions to the fee schedule will be accepted.

All proposed fees should cover all related overhead, profit, supplies, materials, travel, etc., for performance of work required.

FEE SCHEDULE (ATTACHMENT H) - The information requested in this section is for THE SCHOOL DISTRICT OF PHILADELPHIA’s use only. These schedules will be used for evaluation and not as the sole criteria for an award. This portion of the proposal must be bound and sealed separately from the remainder of the proposal and both are to be received by the submission deadline. Information for the cost and price analysis evaluation must be submitted on the completed cost breakdown form(s) and fee schedules included in this RFP/RFQ. Only one (1) price per line item is permitted.

All fees are to be based on each unit identified as Per Hour, Per Day, Per Week and/or Per Sample as

listed in the fee schedule.

Respondents are not permitted to place minimum or maximum values to any line item listed in the fee schedule.

Rates and costs provided on the form(s) should cover all related overhead, profit, supplies, materials, travel, etc., for performance of work required. Request for compensation beyond that stated on the Cost Breakdown form will be rejected. Costs shown on the Cost Breakdown form(s) will remain firm and fixed for the duration of this contract except that costs shown will increase or decrease each year in accordance with the CPI-U Index. Prices for each of the option years will be adjusted (increased or decreased) according to the corresponding increase or decrease in the CPI-U Index "All Urban Consumers, All Items, Philadelphia, Wilmington, Atlantic City, PA-DE-NJ-MD" for the previous twelve month period from April to April.

All fees are to be based on each unit identified as Per Hour, Per Day, Per Week and/or Per Sample as listed in the fee schedule.

Respondents are not permitted to place minimum or maximum values to any line item listed in the fee schedule.

7.1 Personnel

List individuals from your company (with employment history) who will be working on District projects. For each individual, provide a brief resume that includes the following: Education, Experience, Certification(s), and the responsibilities each will be assigned. A copy of any Employee Certifications and all Laboratory Certifications should be included along with other documentation.

8.0 Evaluation Criteria

The selection committee will review all PROFESSIONAL ENVIRONMENTAL CONSULTING SERVICES INDOOR AIR QUALITY, AIR QUALITY EMISSIONS, AND RADON RFP submittals and assign a technical score based on the evaluation criteria and the weighting for each section described, including:

- a. Qualifications of the personnel and education of the key team members to provide the services being proposed.
- b. Proposer's ability to responsibly manage the completion of the proposed programs.
- c. Ability to support meeting M/WBE goals for the project as a whole.
- d. Extent and depth of experience specific to provide PROFESSIONAL ENVIRONMENTAL CONSULTING SERVICES INDOOR AIR QUALITY, AIR QUALITY EMISSIONS, AND RADON as outlined in the Scope section of this RFP.
- e. Level of client satisfaction determined from supplied references (3 minimum)
- f. Quality of proposal depth response to Section 5.0, Project Scope.

9.0 Selection Procedure

The District may at any time terminate the RFP process provided for herein for any reason or no reason in the sole discretion of the School District. The receipt of proposals or other documents by proposers during any state of the RFP process will in no way obligate the School District to enter into any agreement with any proposer or make the District liable for any proposer costs.

Stage 1:

Step 1: Technical proposals of firms will be evaluated by the selection committee and ranked on the basis of their technical qualifications and suitability for this assignment.

Stage 2:

In the second stage, the fee proposal of the highest rated firms will be opened and the District will enter into fee negotiations. Each technical proposal will be reviewed by a selection committee to determine responsiveness. Proposals deemed non-responsive will be rejected without evaluation. The District reserves the right to reject any or all proposals when such rejection is in the best interest of the District. A responsible proposal is complete and addresses all requirements of the RFP. The District reserves the right to waive any informalities and technicalities in the RFP process or any non-material defects in proposals.

If for any reason whatsoever, the District rejects the proposer's proposal, the proposer agrees that it will not seek to recover lost profits on work not performed nor will it seek to recover its proposal preparation costs. By submitting its proposal, the proposer expressly states that it intends to be legally bound and accepts the limitation of remedies set forth in this paragraph. By submitting its proposal, the proposer further expressly states that should it file, initiate, or persuade another to file, initiate or in any other manner pursue or encourage any lawsuit or that such filing, initiating, or other pursuit constitutes a breach of its agreement with the District and that it will be liable for damages incurred by the District arising from the breach of this agreement including, but not limited to, the District's attorneys' fees and costs of defending such action.

The District may at any time terminate the RFP process provided for herein for any reason or no reason in the sole discretion of the District. The receipt of proposals or other documents by proposers during any state of the RFP process will in no way obligate the District to enter into any agreement with any proposer or make the District liable for any proposer costs. The District may alter these and any other procedures as it deems necessary and appropriate. The District will evaluate all proposals based on a number of factors to determine what is in the best interests of the District.

If the selected firm(s) are approved by the School Reform Commission, the District will notify the successful proposer(s) of the award and prepare and distribute the necessary contract documents for execution. The unsuccessful proposers will be notified by letter after the awarding of the contract.

ATTACHMENT "A"

**DISCLOSURE OF OWNERSHIP
FOR PROFESSIONAL AND CONSULTING SERVICES**

All businesses submitting proposals are required to complete the appropriate portion of this form. If more space is needed attach additional pages. In submitting its proposal, of which this Disclosure of Ownership form is a part, the business certifies that the information submitted in this Disclosure of Ownership form is correct as of the date of the submittal of the proposal.

1. If the business is a corporation, check here ___ and complete the following:

If the shares of the Corporation are not listed on the New York Stock Exchange or any regional exchange, list the names of each person who possesses either normal or beneficial ownership of 5% or more of the Corporation's stock (listed below). If none, type or print "none" in space below.

Is the Corporation listed on the New York Stock Exchange? yes ___ no

If the Corporation is listed on an exchange other than the NYSE, list the name of the exchange

Name	% Interest
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2. If the business is a partnership, check here ___ and complete the following:

The name of each general, limited or individual partner entitled to receive 5% or more of the profit derived from partnership activities (list below). If none, type or print "none" in space below.

Name	% Interest
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3. If the business is a sole proprietorship, check here ___ and complete the following:

The name of each person other than the owner entitled to receive 5% or more of the profits derived from the activities of the business (list below). If none, type or print "none" in space below.

Name	% Interest
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This form is completed and certified as accurate by:

Signature: _____

Title: _____

Date: _____

ATTACHMENT "B"

**EQUAL OPPORTUNITY NON-DISCRIMINATION IN
HIRING NON-DISCRIMINATION IN CONTRACTING**

NOTICE

1) The successful Proposer shall not discriminate nor permit discrimination against any person because of race, color, religion, age, national origin, ancestry, creed, handicap, sexual orientation, union membership, disabled or Vietnam era veteran status, in the performance of the contract including but not limited to, preparation, manufacturer, fabrication, installation, erection and delivery of all supplies and equipment. In the event of receipt of such evidence of such discrimination by the successful Proposer or its agents, employees or representatives, District shall have the right to terminate the Contract. In the event of the continued refusal on the part of the Proposer to comply with this anti-discrimination provision, the Proposer may be removed from the list of approved bidders of District

2) The successful Proposer agrees to include subparagraph (1) above with appropriate adjustments for the identity of the parties in all subcontracts, which are entered into for work to be performed pursuant to the Contract.

(seal) (Trade Name of Firm)

(seal) (Signature of Owner or Partner)

(Date)

ATTACHMENT "C"

ANTI-DISCRIMINATION POLICY of the SCHOOL DISTRICT OF PHILADELPHIA ADOPTED NOVEMBER 14, 2007

SECTION 1. THE POLICY

It is the policy of the School District of Philadelphia (the "District") acting through and by the School Reform Commission (the "SRC") to ensure equal opportunity in all contracts let by the District (the "Contracts"). In light of this policy, the District has adopted this Anti-discrimination Policy (the "Policy") which is applicable to all Contracts, including but not limited to, Contracts for the design, development, construction, operation and maintenance of school buildings and other buildings and structures owned, leased or used by the District or its contractors, assignees, lessees and licensees (the "Facilities"); Contracts for professional services and Contracts for the purchase of goods, services, supplies and equipment for the District and the Facilities. The objective of the Policy is the promotion of prime contract and subcontract opportunities for minority and woman-owned business enterprises ("M/W/BEs") that are approved by the District or that are certified by the Minority Business Enterprise Council of the City of Philadelphia, Southeastern Pennsylvania Transportation Authority or any other certifying agency designated by the District in its discretion.

The fundamental requirement of the Policy is that all contractors, vendors and consultants that contract with the District (the "Contractors"), satisfy the District that they will: (1) not discriminate against any person in regard to race, color, religion, age, national origin, sex, ancestry, handicap or disability; and (ii) provide a full and fair opportunity for the participation of M/W/BEs in Contracts. Contractors must demonstrate that the participation of M/W/BEs is "meaningful and substantial" in all phases of a Contract under criteria adopted by the District. "Meaningful and substantial" shall be interpreted by the District as meaning the range of participation that reflects the availability of bona fide M/W/BEs in the Philadelphia Metropolitan Statistical Area. Participation shall be measured in terms of the actual dollars received by M/W/BEs.

As used in this Policy, the word "Contractors" includes any person, firm, partnership, non-profit corporation, for-profit corporation, Limited Liability Company or other legal entity that contracts with the District.

For purposes of this policy, "minority person" refers to the following: African American or Black (persons having origins in any of the Black racial groups of Africa); Hispanic American (persons of Mexican, Puerto Rican, Cuban, Dominican, Central or South American, or other Spanish or Portuguese culture or origin regardless of race); Asian American (persons having origins from Japan, China, Taiwan, Korea, Burma (Myanmar), Vietnam, Laos, Cambodia (Kampuchea), Thailand, Malaysia, Indonesia, the Philippines, Brunei, Samoa, Guam, the U.S. Trust Territories of the Pacific Islands (Republic of Palau), the Commonwealth of the Northern Marianas Islands, Macao, Fiji, Tonga, Kiribati, Juvalu, Nauru, Federated States of Micronesia, Hong Kong, India, Pakistan, Bangladesh, Bhutan, the Maldives Islands, Nepal or Sri Lanka); and Native Americans (which includes persons who are American Indians, Eskimos, Aleuts or Native Hawaiians).

SECTION 2. PROCEDURES FOR IMPLEMENTATION

1. Articulation of the Policy, Staffing and Reporting

The Office of General Counsel and Office of Small Business Development will develop language to be included in bid solicitations and requests for proposals that clearly sets forth the objective of the Policy (the "Solicitation Language"). District employees shall include the Solicitation Language in all bids, public solicitations, requests for proposals and all communications to potential Contractors, including those who wish to provide professional services to the District. The Policy shall be articulated to the public in general, and to each Contractor, assignee, lessee or licensee doing or seeking to do business with the District. The District may employ additional staff or contract with other public or private entities to assist in the implementation of the Policy. SBD shall provide the SRC with annual reports on the level of M/W/BE participation in all contracting activities.

2. Promotion of M/W/BEs

The District recognizes the importance of having meaningful and substantial M/W/BE participation in all Contracts. To that end, the District will take steps to ensure that M/W/BEs are afforded a fair and equal opportunity to participate. Those steps may include but are not limited to: (i) making public contracting opportunities; (ii) advertising in newspapers and periodicals published by community-based organizations and M/W/BEs; and (iii) designing bid packages in such a way as to promote rather than discourage M/W/BE participation.

3. Contracting Requirements

a. Bids, Request for Proposals, and Public Solicitations

Prior to the dissemination of any bid, request for proposals or public solicitation (the "Solicitation"), the applicable contracting department of the District shall submit proposed ranges of M/W/BE participation in the area to be bid (the "Participation Range") to SBD for approval. The Participation Range, as approved by SBD, shall be included in each Solicitation and, if applicable, the Solicitation shall include the names and addresses of bona fide M/W/BEs that are available for contracting or joint-venture opportunities. Each bidder or respondent shall be required to submit: (i) a plan with its bid or proposal that meets the Participation Range set forth in the Solicitation and lists the names, addresses, dollar amounts and scope of work to be performed by M/W/BEs (the "Participation Plan"); or (ii) brief narrative explaining its reasons for not submitting a Plan that meets the Participation Range set forth in the Solicitation. Submission of the Participation Plan is an element of responsiveness. Failure to submit a completed Participation Plan or a narrative explaining the reasons that the Participation Ranges could not be met may result in the rejection of a bid or proposal. If the Participation Range in a bid or proposal meets or exceeds the level determined by the District to be meaningful and substantial, there shall be a presumption of compliance with the Policy. If, however, the proposed Participation Range falls below the level determined by the District to be meaningful and substantial, the bidder or respondent must prove to the satisfaction of the District that it did not discriminate in the solicitation of potential subcontractors and/or joint venture partners.

b. Contracts for Professional Services

Contracts for professional services that are not the subject of a Solicitation must also include approval

Participation Plans. If a proposed Contract for professional services is subject to the approval of the Limited Contracts Authority Committee of the District (the "LCA"), the applicable contracting department shall submit a proposed Participation Plan for the written approval of SBD prior to the submission of the Contract to the LCA. In instances where proposed Contract for professional services must be approved by a Resolution adopted by the SRC, SBD's approval of the Participation Plan shall be incorporated into the on-line resolution process prior to the submission of Resolution to the SRC.

4. Sanctions

The Participation Plan shall be a part of each Contract between the District and a Contractor and shall be enforceable as any other contractual term or condition. Sanctions for breach of a Participation Plan may include suspension, cancellation of the Contract and/or disbarment from future contracting opportunities with the District.

EQUAL OPPORTUNITY

A. EQUAL OPPORTUNITY

The School District of Philadelphia (the "School District") is an Equal Opportunity Employer and demands no less of the companies with which it does business. The School District will not do business with companies or persons who unlawfully discriminate on the basis of race, color, national origin, sex, creed, disability, or any other impermissible ground in their hiring, promotion, subcontracting or procurement practices. By submitting any proposal to contract or entering into any contract with the School District, the Respondent (the "Respondent") represents and certifies that Respondent is an Equal Opportunity Employer; and conducts business affairs without improper regard to race, color, national origin, sex, creed, or disability, and has not been debarred, suspended, or declared ineligible to contract by any public or private agency or entity because of the Respondent's discriminatory practices. If the Respondent has been debarred or suspended, Respondent must submit a statement with the bid identifying the debarring or suspending entity and giving the date that the debarment or suspension was or is scheduled to be lifted. All certifications contained in a Respondent's proposal are material representations of fact upon which reliance will be placed if the School District awards a contract pursuant to this Request for Proposals. If it is later discovered or determined that the Respondent knowingly rendered an erroneous certification, then the School District may pursue available remedies, including termination of the contract.

B. NON-DISCRIMINATION

1. Non-Discrimination in Hiring

The Respondent agrees that it will comply with provisions of the Philadelphia Fair Practices Ordinance administered by the Human Relations Commission of the City of Philadelphia, the Pennsylvania Human Relations Act. No. 222, October 27, 1955, as amended, 43 P.S. Section 951 et seq; Title 7 of the Civil Rights Act of 1964, 42 U.S.C. Section 2000 et seq., and all pertinent regulations adopted pursuant to the foregoing in providing equal employment opportunities in connection with all work performed by it pursuant to any contract awarded to Respondent, (the "Contract"). The Respondent therefore agrees:

- (a) That it will not discriminate nor permit discrimination by its agents, servants or employees against any employee or applicant for employment with regard to hiring, tenure or

employment, promotion, or any other terms, conditions or privileges of employment because of race, color, sex, religion, age, national origin, sex, ancestry, handicap or disability and will move aggressively as is hereinafter set forth to prevent same.

- (i) In all publications or advertisements for employees to work at the job site covered by the Contract placed by or on behalf of the Respondent, the Respondent will state that all qualified applicants will receive consideration for employment without regard to race, color, religion, age, national origin, sex, ancestry, handicap or disability.
 - (ii) The Respondent will notify each labor union or workers' representative from whom it seeks workers of the Respondent's commitment as set forth in its proposal, and request that each union or workers' representative include minority group members and women among its referrals.
 - (iii) The Respondent will hire minority and female workers for the skilled and unskilled jobs required to perform the Contract in proportion to their availability in the relevant labor pools in the Philadelphia Metropolitan Statistical Area, or to their availability in its qualified applicant pool, whichever is greater.
 - (iv) The Respondent will post in conspicuous places available to its employees and to applicants for employment, a notice of fair practices to be provided by the Philadelphia Human Relations Commission.
 - (v) The Respondent will maintain a work environment free of harassment, intimidation and coercion, and will ensure that all on-site supervisory personnel are aware of and carry out Respondent's obligation to maintain such a working environment.
- (b) That it will identify on each certified payroll form submitted to the School District those of its employees who are minority group members and those who are female. As used here, "minority" means African American, Hispanic, Asian, or Native American. The School District shall at all times have access to work site and to the Respondent's employment records to assure compliance with this subsection.
- (c) That it will maintain on forms to be supplied by the School District, the name, race, sex, national origin, skill or craft, address, telephone number, and source of referral of each applicant for employment, which record shall show which applicants were hired.
- (d) (That in the event apprentices are hired in any skilled craft area, the Respondent will endeavor to hire equal numbers of culturally diverse male and female trainees in each skill area.

2. Non-Discrimination in Contracting

It is the policy of the School District of Philadelphia, that business concerns owned and controlled by minority group members and women shall have full and fair opportunity to participate in performance of contracts let by the School District. A Respondent's plan to joint venture with or subcontract to minority and woman-owned firms (M/WBEs) and/or to utilize M/WBEs as sources of supplies, equipment, or services will be a significant part of the evaluation of the Respondent's responsibility.

- (a) The Respondent will consider all proposals from potential M/WBE firms and document on the forms supplied by the School District, the reasons for not entering into a joint venture or subcontract with a M/WBE.
- (b) Respondent to this RFP shall employ the services of Sub-consultant(s), as necessary, to achieve combined Minority Owned Business Enterprise (MBE) and Woman Owned Business Enterprise (WBE) participation goals in a range of 15%-20% of the total amount of services provided. If the Firm is a MBE or WBE firm, then the Firm will have achieved the goal for that category. A non-MBE or WBE firm shall employ a MBE or WBE firm to achieve these goals.**
- (c) The Respondent's agreement to meet the requirements of the Section is a material representation of fact upon which reliance will be placed if a contract is awarded. If it is later determined that the Respondent has not made a good faith effort to comply, within the School District's sole judgment, the School District may pursue available remedies, including suspension or debarment of the Respondent from future School District work as non-responsible.

Liability of Subcontractors

Any subcontractor of the Respondent shall have the same responsibilities and obligations as the Respondent to comply with the provisions of this Section and shall be subject to the same penalties for failure to comply as set forth below.

3. Penalties for Failure to Comply

It is hereby agreed that failure to comply and demonstrate a good faith effort to comply with the foregoing requirements shall constitute a substantial breach of the Contract.

 (seal) (Trade Name of Firm)

 (seal) (Signature of Owner or Partner)

 (Date)

**ATTACHEMENT C
SCHOOL DISTRICT OF PHILADELPHIA
OFFICE OF PROCUREMENT SERVICES**

MINORITY/WOMAN-OWNED BUSINESS ENTERPRISE(MWBE) PARTICIPATION PLAN FORM

I. Information in this section refers to the Prime Contractor/Vendor

Company Name _____ Contact Person _____
Address: _____ Phone: _____
City: _____ State: _____ Zip: _____
Fax: _____ E-mail: _____
Owner: ___African-American, ___Hispanic, ___Asian, ___Native American, ___Woman, ___Non-Profit, ___Caucasian, ___Other
Federal Tax ID _____ Certifying Agency: _____ Certification No.: _____
Bid Number or Subject of Resolution: _____

II. Information in this section refers to MWBE firms to be used in the performance of this contract.

Company Name: _____ Owner: _____
Address: _____ Phone: _____
City: _____ State: _____ Zip: _____
Fax: _____ E-mail: _____
Owner: ___African-American, ___Hispanic, ___Asian, ___Native American, ___Woman, ___Non-Profit, ___Caucasian, ___Other
Federal Tax ID _____ Certifying Agency: _____ Certification No.: _____
Description of Work: _____
Dollar Value \$ _____ Percentage of Total Contract _____
Vendor Signature _____

If no commitment, give reasons and supporting documentation(e.g., evidence of contacting MWBEs).

I certify that the information provided is true and correct _____ Date: _____
Authorized Representative

ATTACHMENT "E"
**PROFESSIONAL ENVIRONMENTAL CONSULTING SERVICES INDOOR AIR QUALITY, AIR
QUALITY EMISSIONS, AND RADON**

The "PROFESSIONAL ENVIRONMENTAL CONSULTING SERVICES INDOOR AIR QUALITY, AIR QUALITY EMISSIONS, AND RADON Contract" shall serve as a "sample" document for the Firms to review. Said "sample" contract shall not be construed as a contract between the Firm and the District.

The Sample Contract will be posted on the website for this RFP.

ATTACHMENT "F"

**ACCEPTANCE OF TERMS AND CONDITIONS OF CONTRACT FOR
PROFESSIONAL ENVIRONMENTAL CONSULTING SERVICES INDOOR AIR QUALITY, AIR QUALITY
EMISSIONS, AND RADON**

I have read the "PROFESSIONAL ENVIRONMENTAL CONSULTING SERVICES INDOOR AIR QUALITY, AIR QUALITY EMISSIONS, AND RADON *Contract*" and agree to enter into a Contract for this Project under the Terms and Conditions of the CONTRACT and will not take any exceptions to the Terms and Conditions.

Firm Name: _____ Corporate Seal: _____ Affix Here

Signature: _____ Title: _____ Date: _____
(Principal/Owner)

ATTACHMENT "G"

**TAX COMPLIANCE
WITH THE CITY OF PHILADELPHIA**

Provide a copy of your firm's "Certificate of Tax Clearance" with the City of Philadelphia. You can search your firm's tax compliance at the following website:

<https://secure.phila.gov/revenue/TaxCompliance/Header.aspx>

If your firm is compliant, you can print out the "Certificate of Tax Clearance".

If your firm is not tax compliant, please contact the City Revenue Department Tax Clearance Unit at (215) 686-6565.

**ATTACHMENT "H"
FEE SCHEDULE**

AIR QUALITY EMISSIONS CONSULTING SERVICES

A. Labor

1. Project Manager _____ per hour
2. Certified Industrial Hygienist (CIH) _____ per hour
3. Industrial Hygienist _____ per hour
4. Air Quality Emissions Project Manager _____ per hour
5. Environmental Technician _____ per hour
6. Clerical _____ per hour

All fees are to be based on each unit identified as Per Hour, Per Day, Per Week and/or Per Sample as listed in the fee schedule.

Respondents are not permitted to place minimum or maximum values to any line item listed in the fee schedule.

END OF AIR QUALITY EMISSIONS CONSULTING SERVICES FEE SCHEDULE

FEE SCHEDULE

INDOOR AIR QUALITY

A. Labor

1. Certified Industrial Hygienist (CIH) _____ per hour
2. Industrial Hygienist _____ per hour
2. Certified Safety Professional _____ per hour
3. Certified Occupational Health and Safety Technologist _____ per hour
4. Environmental Microbiologist _____ per hour
5. HVAC Technician _____ per hour
6. Mechanical Engineer _____ per hour
7. Clerical _____ per hour

INDOOR AIR QUALITY EQUIPMENT RENTAL

A. Equipment

1. Dosimeter Mini Conrad II _____ per day
Alpha, Beta, Gamma, and X-ray Detector
2. Jerome Model 411 Mercury Vapor Analyzer _____ per day
3. Gisco Magnetometer Model R-210 _____ per day
4. Reuter-Stokes RSS-217 Heat Stress Monitor _____ per day
5. C0260 Carbon Monoxide Monitor _____ per day
6. MX241 LEL and Oxygen Monitor _____ per day
7. HS267 Hydrogen Sulfide Monitor _____ per day
8. Dupont Mark 3 Audio Dosimeter _____ per day
9. Quest Model 215 SLM Sound Level Meter _____ per day

10. MIE FAM 1 Fibrous Aerosol Monitor _____ per day
11. Foxboro Miran 1B2 _____ per day
12. Thermo Environmental OVM 580A PID _____ per day
13. Photovac Micro Tip _____ per day
14. HNu Photoionization Detector _____ per day
15. Foxboro OVA - 128 _____ per day

DIFFUSION/DOSIMETER TUBES

A. Gas/Vapor

1. Acetic Acid _____ per tube
Measuring Range (ppm): 1.25-25
2. Ammonia _____ per tube
Measuring Range: (ppm) 2.5-187.5
3. Butadiene _____ per tube
Measuring Range (ppm): 1.25-37.5
4. Carbon Dioxide _____ per tube
Measuring Range (ppm): 6.25-2500
5. Carbon Dioxide _____ per tube
Measuring Range (ppm): 0.125%-3.75%
6. Carbon Monoxide _____ per tube
Measuring Range (ppm): 6.25-75.5
7. Chlorine _____ per tube
Measuring Range (ppm): 0.25-6.25
8. Ethanol _____ per tube
Measuring Range (ppm): 125-3000
9. Ethyl Acetate _____ per tube
Measuring Range (ppm): 62.5-1250
10. Formaldehyde _____ per tube
Measuring Range (ppm): 0.1-2.5
11. Hydrochloric Acid _____ per tube
Measuring Range (ppm): 1.25-25

12. Hydrocyanic Acid _____ per tube
Measuring Range (ppm): 2.5-25
13. Hydrogen Cyanide _____ per tube
Measuring Range (ppm): 1.25-25
14. Hydrogen Sulfide _____ per tube
Measuring Range (ppm): 0.12-37.5
15. Nitrogen Dioxide _____ per tube
Measuring Range (ppm): 1.25-25
16. Olefin _____ per tube
Measuring Range (ppm): 12.5-250
17. Perchloroethylene _____ per tube
Measuring Range (ppm): 25-187.5
18. Sulfur Dioxide _____ per tube
Measuring Range (ppm): 0.625-18.75
19. Toluene _____ per tube
Measuring Range (ppm): 1.25-25
20. Trichloroethylene _____ per tube
Measuring Range (ppm): 25-125
21. Water Vapor _____ per tube
Measuring Range (ppm): 0.625-12.5 mg/l
22. Acetaldehyde _____ per tube
Measuring Range (ppm): 100-1000
23. Acetic Acid _____ per tube
Measuring Range (ppm): 5-80
24. Acetone _____ per tube
Measuring Range (ppm): 100-12000
25. Acetylene _____ per tube
Measuring Range (ppm): 500-3000
26. Acid Compounds in Air _____ per tube
Measuring Range (ppm): Qualitative
27. Acrylonitrile _____ per tube
Measuring Range (ppm): 0.5-20

28. Air Current _____ per tube
Measuring Range (ft./sec)
29. Alcohol _____ per tube
Measuring Range (ppm): 100-3000
30. Alcohol _____ per tube
Measuring Range (ppm): 50-3000
31. Aliphatic; Hydrocarbons (Boiling Range 50-200°C) _____ per tube
Measuring Range (ppm): 2-23 mg/l
32. Ammonia _____ per tube
Measuring Range (ppm): 2-30
33. Ammonia _____ per tube
Measuring Range (ppm): 5-700
34. Ammonia _____ per tube
Measuring Range (ppm): 0.5-10 Vol %
35. Aniline _____ per tube
Measuring Range (ppm): 0.5-10 ppm
36. Arsenic and Organic Arsenic Compounds _____ per tube
Measuring Range (ppm): Qualitative
37. Arsine _____ per tube
Measuring Range (ppm): 0-05-60
38. Basic Compounds in Air _____ per tube
Measuring Range (ppm): Qualitative
39. Benzene (Specific) _____ per tube
Measuring Range (ppm): 0.5-10
40. Benzene (Non-Specific) _____ per tube
Measuring Range (ppm): 0.5-10
41. Benzene _____ per tube
Measuring Range (ppm): 2-60
42. Benzene _____ per tube
Measuring Range (ppm): 5-50

43. Benzene _____ per tube
Measuring Range (ppm): 15-420 (0.05-1.4 mg/l)
44. Bromine _____ per tube
Measuring Range (ppm): 0.2-30
45. n-Butane _____ per tube
Measuring Range (ppm): 0.1-0.8 Vol %
46. 1-Butylene _____ per tube
Measuring Range (ppm): 1-55 mg/l
47. Carbon Dioxide _____ per tube
Measuring Range (ppm): 0.01-0.3 Vol %
48. Carbon Dioxide _____ per tube
Measuring Range (ppm): 0.1-6 Vol %
49. Carbon Dioxide _____ per tube
Measuring Range (ppm): 0.5-10 Vol %
50. Carbon Dioxide _____ per tube
Measuring Range (ppm): 1-20 Vol %
51. Carbon Dioxide _____ per tube
Measuring Range (ppm): 5-60 Vol %
52. Carbon Monoxide and Carbon Dioxide _____ per tube
Measuring Range (ppm): 200-2500 CO, 2-12 Vol % CO₂
53. Carbon Disulfide _____ per tube
Measuring Range (ppm): 3-95
54. Carbon Monoxide _____ per tube
Measuring Range (ppm): 2-30
55. Carbon Monoxide _____ per tube
Measuring Range (ppm): 5-700
56. Carbon Monoxide _____ per tube
Measuring Range (ppm): 8-150
57. Carbon Monoxide _____ per tube
Measuring Range (ppm): 10-3000
58. Carbon Monoxide _____ per tube
Measuring Range (ppm): 0.3-7 Vol %

59. Carbon Tetrachloride _____ per tube
Measuring Range (ppm): 1-15
60. Carbon Tetrachloride _____ per tube
Measuring Range (ppm): 5-50
61. Chlorine _____ per tube
Measuring Range (ppm): 0.3-5
62. Chlorine _____ per tube
Measuring Range (ppm): 0.2-30
63. Chlorine _____ per tube
Measuring Range (ppm): 50-500
64. Chlorobenzene _____ per tube
Measuring Range (ppm): 5-200
65. Chloroform _____ per tube
Measuring Range (ppm): 2-10
66. Chromic Acid _____ per tube
Measuring Range (ppm): 0-1-0-5 mg/m³
67. Cyanide _____ per tube
Measuring Range (ppm): 2-15 mg/m³
68. Cyanogen Chloride _____ per tube
Measuring Range (ppm): 0.25-5
69. Cyclohexane _____ per tube
Measuring Range (ppm): 100-1500
70. Diethyl Ether _____ per tube
Measuring Range (ppm): 100-4000
71. Dimethyl Formamide _____ per tube
Measuring Range (ppm): 10-40
72. Dimethyl Sulfate _____ per tube
Measuring Range (ppm): 0.005-0.6
73. Dimethyl Sulfide _____ per tube
Measuring Range (ppm): 1-15
74. Dioxane _____ per tube
Measuring Range (ppm): 13-175

75. Epichlorohydrin _____ per tube
Measuring Range (ppm): 5-50
76. Ethyl Acetate _____ per tube
Measuring Range (ppm): 200-3000
77. Ethyl Alcohol (Ethanol) _____ per tube
Measuring Range (ppm):100-3000
78. Ethyl Benzene _____ per tube
Measuring Range (ppm): 30-600
79. Ethyl Glycol Acetate _____ per tube
Measuring Range (ppm): 50-700
80. Ethylene Glycol _____ per tube
Measuring Range (ppm): 10-180 mg/m³
81. Ethylene Oxide _____ per tube
Measuring Range (ppm): 1-30
82. Ethylene Oxide _____ per tube
Measuring Range (ppm): 25-500
83. Fluorine _____ per tube
Measuring Range (ppm):0.05-8
84. Formaldehyde _____ per tube
Measuring Range (ppm): 0.2-5
85. Formaldehyde Activating Tube _____ per tube
Measuring Range (ppm): To Extend measuring Range to 0.4
86. Formaldehyde _____ per tube
Measuring Range (ppm): 2-40 (2-50 mg/m³)
87. Formic Acid _____ per tube
Measuring Range (ppm): 1-15
88. n-Hexane _____ per tube
Measuring Range (ppm): 100-3000
89. Hydrazine _____ per tube
Measuring Range (ppm): 0.2-10

90. Hydrazine _____ per tube
Measuring Range (ppm): 0.25-3
91. Hydrocarbons _____ per tube
Measuring Range (ppm): 0.1-0.8 Vol % Butane,
0.5-1.3 Vol % Propane
92. Hydrocarbons , Aliphatics _____ per tube
Measuring Range (ppm): app. 2-23 mg/l
(Boiling Range 50-200°C)
93. Petroleum Hydrocarbons _____ per tube
Measuring Range (ppm): 100-2500 (n-Octane)
94. Hydrochloric Acid _____ per tube
Measuring Range (ppm): 0.5-25
95. Hydrochloric Acid _____ per tube
Measuring Range (ppm): 50-5000
96. Hydrocyanic Acid _____ per tube
Measuring Range (ppm): 2-150
97. Hydrogen Fluoride _____ per tube
Measuring Range (ppm): 1.5-15
98. Hydrogen Peroxide _____ per tube
Measuring Range (ppm): 0.1-3
99. Hydrogen Sulfide _____ per tube
Measuring Range (ppm): 0.5-15
100. Hydrogen Sulfide _____ per tube
Measuring Range (ppm): 1-200
101. Hydrogen Sulfide _____ per tube
Measuring Range (ppm): 2-200
102. Hydrogen Sulfide _____ per tube
Measuring Range (ppm): 5-600
103. Hydrogen Sulfide _____ per tube
Measuring Range (ppm): 100-2000
104. Hydrogen Sulfide _____ per tube
Measuring Range (ppm): .02-7 Vol %

105. Hydrogen Sulfide _____ per tube
Measuring Range (ppm): 2-40 Vol %
106. Hydrogen Sulfide/Sulfur Dioxide _____ per tube
Measuring Range (ppm): .02-7 Vol %
107. Mercaptan _____ per tube
Measuring Range (ppm): 0.5-5
108. Mercaptan _____ per tube
Measuring Range (ppm): 2-100
109. Mercury Vapor _____ per tube
Measuring Range (ppm): 0.2-2 mg/m³
110. Methane _____ per tube
Measuring Range (ppm): Qualitative
111. Methyl Acrylate _____ per tube
Measuring Range (ppm): 5-200
112. Methyl Alcohol (Methanol) _____ per tube
Measuring Range (ppm): 50-3000
113. Methyl Bromide _____ per tube
Measuring Range (ppm): 3-100
114. Methyl Bromide _____ per tube
Measuring Range (ppm): 5-50
115. Methyl Ethyl Ketone (Acetone Tube) _____ per tube
Measuring Range (ppm): 100-12000
116. Methylene Chloride _____ per tube
Measuring Range (ppm): 50-2000
117. Monostyrene (Styrene) _____ per tube
Measuring Range (ppm): 10-200
118. Monostyrene (Styrene) _____ per tube
Measuring Range (ppm): 10-250
119. Natural Gas (Methane) _____ per tube
Measuring Range (ppm): Qualitative
120. Nickel _____ per tube
Measuring Range (ppm): 0.25-1 mg/m³

121. Nickel Tetracarbonyl _____ per tube
Measuring Range (ppm): 0.1-1
122. Nitric Acid _____ per tube
Measuring Range (ppm): 1-50
123. Nitrogen Dioxide _____ per tube
Measuring Range (ppm): 0.5-25
124. Nitrogen Dioxide _____ per tube
Measuring Range (ppm): 2-100
125. Nitrous Fumes (NO + NO₂) _____ per tube
Measuring Range (ppm): 0.5-10
126. Nitrous Fumes (NO + NO₂) _____ per tube
Measuring Range (ppm): 2-150
127. Nitrous Fumes (NO + NO₂) _____ per tube
Measuring Range (ppm): 100-5000
128. Nitrous Fumes _____ per tube
Measuring Range (ppm): 20-500
129. n-Octane _____ per tube
Measuring Range (ppm): 100-2500
130. Oil Mist _____ per tube
Measuring Range (ppm): 1-10 mg/m³
131. Oil Mist _____ per tube
Measuring Range (ppm): 25-100 Micrograms
132. Organic Based Nitrogen Compounds _____ per tube
Measuring Range (ppm): Qualitative
133. Oxygen _____ per tube
Measuring Range (ppm): 5-23 Vol %
134. Ozone _____ per tube
Measuring Range (ppm): 0.5-1.4
135. Ozone _____ per tube
Measuring Range (ppm): 10-300

136. n-Pentane _____ per tube
Measuring Range (ppm): 100-1500
137. Perchloroethylene _____ per tube
Measuring Range (ppm): 2-300
138. Perchloroethylene _____ per tube
Measuring Range (ppm): 10-500
139. Petroleum Hydrocarbons _____ per tube
Measuring Range (ppm): 100-2500
140. Phenol _____ per tube
Measuring Range (ppm): 1-20
141. Phosgene _____ per tube
Measuring Range (ppm): 0.02-1
142. Phosgene _____ per tube
Measuring Range (ppm): 0.25-75
143. Phosphine _____ per tube
Measuring Range (ppm): 0.1-40
144. Phosphine _____ per tube
Measuring Range (ppm): 50-3000
145. Phosphoric Acid Esters _____ per tube
Measuring Range (ppm): 0.05
146. Polytet _____ per tube
Measuring Range (ppm): Qualitative
147. Propane _____ per tube
Measuring Range (ppm): 0.5-1.03 Vol %
148. n-Propanol _____ per tube
Measuring Range (ppm): 100-3000

149. Pyridine _____ per tube
Measuring Range (ppm): 5
150. Screening Tube _____ per tube
Measuring Range (ppm): Qualitative
151. Smoking Tube _____ per tube
Measuring Range (ppm):
152. Sulfur Dioxide _____ per tube
Measuring Range (ppm): 0.1-3
153. Sulfur Dioxide _____ per tube
Measuring Range (ppm): 0.5-25
154. Sulfur Dioxide _____ per tube
Measuring Range (ppm): 1-25
155. Sulfur Dioxide _____ per tube
Measuring Range (ppm): 20-2000
156. Sulfur Dioxide _____ per tube
Measuring Range (ppm): 50-5000
157. Sulfuric Acid _____ per tube
Measuring Range (ppm): 1-5 mg/m³
158. Tetrahydrofuran, THF _____ per tube
Measuring Range (ppm): 50-300 EST
159. Toluene _____ per tube
Measuring Range (ppm): 5-500
160. Toluene _____ per tube
Measuring Range (ppm): 25-1860
161. Toluene Diisocyanate (TDI) _____ per tube
Measuring Range (ppm): 0.02-0.2
162. 1,1,1 Trichloroethane (Methylchloroform) _____ per tube
Measuring Range (ppm): 50-600
163. Trichloroethane _____ per tube
Measuring Range (ppm): 2-200
164. Trichloroethane _____ per tube
Measuring Range (ppm): 10-500

165. Trichlorofluoromethane (Freon 11) _____ per tube
Measuring Range (ppm): 100-1400
166. Triethylamine _____ per tube
Measuring Range (ppm): 5-60
167. Trifluorotrchloroethane _____ per tube
Measuring Range (ppm): 200-2800
168. Vinyl Chloride _____ per tube
Measuring Range (ppm): 0.25-6
169. Vinyl Chloride _____ per tube
Measuring Range (ppm): 1.50
170. Water Vapor _____ per tube
Measuring Range (ppm): 1-40 mg/l
171. Water Vapor _____ per tube
Measuring Range (ppm): 0.1-20 mg/l
172. Water Vapor _____ per tube
Measuring Range (ppm): 0.05-1 mg
173. o-Xylene _____ per tube
Measuring Range (ppm): 10-400

BADGES FOR ORGANIC VAPORS

A. Vapor

1. Organic _____ per badge
2. Acetone _____ per badge
3. Acetonitrile _____ per badge
4. Acylonitrile _____ per badge
5. Benzene _____ per badge
6. Benzyl Chloride _____ per badge
7. Butyl Acetate _____ per badge
8. Butyl Alcohol _____ per badge
9. Butyl Cellosolve (2-Butoxyethanol) _____ per badge
10. Carbon Disulfide _____ per badge
11. Carbon Tetrachloride _____ per badge
12. Cellosolve (Ethylene Glycol Ethyl Ether) _____ per badge
13. Chlorobenzene _____ per badge
14. Chloroform _____ per badge
15. Collodion _____ per badge
16. Dichlorethane _____ per badge
17. Diesel Fuel _____ per badge
18. Ethyl Acetate _____ per badge
19. Ethyl Alcohol _____ per badge
20. Ethyl Benzene _____ per badge
21. Ethyl Ether _____ per badge
22. Gasoline _____ per badge

23. Heptane _____ per badge
24. Hexane _____ per badge
25. Isopropyl Alcohol _____ per badge
26. Methyl Alcohol _____ per badge
27. Methyl Chloroform (1,1, 1 Trichloroethane) _____ per badge
28. Methylene Chloride _____ per badge
29. Methyl Ethyl Ketone _____ per badge
30. Methyl Formate _____ per badge
31. Methyl Isobutyl Ketone _____ per badge
32. Mineral Spirits _____ per badge
33. Pentane _____ per badge
34. Percyholoroethylene _____ per badge
35. Phenol _____ per badge
36. Propylene Oxide _____ per badge
37. Stoddard Solvent _____ per badge
38. Styrene _____ per badge
39. Toluene _____ per badge
40. 1, 1, 2-Trichloroethane _____ per badge
41. Trichloroethylene _____ per badge
42. 1, 2, 4-Trimethyl Benzene _____ per badge
43. Vinyl Chloride _____ per badge
44. Xylene _____ per badge

WATER QUALITY

A. Labor

1. Environmental Technician _____ per hour

B. Water Quality Laboratory Analysis

1. Lead _____ per sample/turnaround time
2. Copper _____ per sample/turnaround time
3. Odor _____ per sample/turnaround time
4. Color _____ per sample/turnaround time
5. Particulate _____ per sample/turnaround time
6. Chlorine _____ per sample/turnaround time
7. E Coli _____ per sample/turnaround time

MICROBIOLOGICAL ANALYSIS

1. Identification and Characterization _____ per sample
of Bioaerosals Fungi I.D. of Top 5 Colonies
2. Bacteria I.D. of Top 5 Colonies _____ per sample
3. Identification and Characterization of _____ per sample
Microorganisms (fungi and bacteria) in
Bulk and Wipe/Swab Samples Culturets-
I.D. of Top 5 Colonies
4. Characterization of Indoor Allergens _____ per sample
5. Dust Mites _____ per sample
6. Cat Dander _____ per sample

- 7. Wood Microbiology Decay Evaluation _____ per sample
- 8. Dust Characterization by Optical Microscopy _____ per sample
- 9. Legionella Bacteria, Environmental Water _____ per sample
Sample Detection
- 10. Identification _____ per sample

Radon Fee Schedule

A. Labor

- 1. Radon Project Manager _____ per hour
- 2. Radon Testing Technician _____ per hour

B. Equipment

Equipment Ownership/Rental: _____

- 1. Activated Charcoal Absorption Devices _____
- 2. Charcoal Liquid Scintillation Devices _____
- 3. Electret-Ion Chambers _____
- 4. Alpha Track Detectors _____

Test Kits:

- 1. Short Term Radon Test Kit _____ Per Kit
- 2. Long Term Radon Test Kit _____ Per Kit

All Inclusive Pricing Schedule:

Industrial Hygienist/Project Manager

The pricing for this position is based on actual hours worked at various locations throughout the School District of Philadelphia. The normal schedule will be Monday through Friday from 8:00am to 4:30pm. This Total fixed fee is inclusive of all labor and associated cost that include the use of Direct Reading Moisture Meters and Direct Infrared Camera, Digital Pictures and all reports.

Total Fixed Fee Per Hour \$ _____

All fees are to be based on each unit identified as Per Hour, Per Day, Per Week and/or Per Sample as listed in the fee schedule.

Respondents are not permitted to place minimum or maximum values to any line item listed in the fee schedule.

END OF INDOOR AIR QUALITY FEE SCHEDULE