

**The Board of Public Education
of the School District of Pittsburgh**
Administration Building, 341 South Bellefield Avenue

**Inquiry
Number 8799**

Pittsburgh, PA 15213

Sealed bids for material listed herein will be received in the Office of the Chief Operations Officer, Room No. 251 in the Administration Building until 11 o'clock A.M., TUESDAY, September 18, 2018 and will be opened at the same hour in CONFERENCE ROOM "A" CENTER SECTION.

Price each item as indicated including delivery INSIDE OF BUILDING to

**SWIMMING POOL
WATER ANALYSIS**

Insert Prices, Model No., etc., sign the bid form and Return **ONE** Copy

VARIOUS SCHOOLS

-
1. These bids are being received according to law as set forth in the Public School Code of 1949, as amended.
 2. All bids shall be returned in sealed envelopes and addressed to The Board of Public Education. Use the self-addressed yellow envelope which is enclosed with this bid.
 3. The Bidder is responsible for ensuring that the Bid document, inside a Sealed envelope, is deposited into the locked bid box in Room 251 of the Administration Building prior to 11:00 AM on the date of the Bid Opening. Delivering that Bid document to a school district employee, even if a signature is obtained, **is not** sufficient to meet the requirements of this Bid Condition. The School District is not be responsible for the failure of any of its employees or any mail delivery service to place this bid document in the designated bid box prior to the time and date for the public opening of this Bid.
 4. Two copies of this Bid Inquiry are provided to each bidder. One copy is to be filled out, signed, and returned to the Board of Public Education. The second copy is for the bidder's files.
 5. Bids shall be submitted on this Inquiry form which must be signed by a duly authorized agent or officer of the Company making the bid. Absence of original signature of person duly authorized to sign for the Company submitting this bid document will automatically leave this bid null and void.
 6. Bidders will quote prices on the unit as specified (i.e., "each", "lot", "dozen", etc.) unless the unit as used in the trade differs from that requested on the Inquiry. In such case, the unit being bid should be changed on this bid document to reflect the industry standard.
 7. Prices quoted will be considered net unless otherwise noted on bid. No escalator clauses will be permitted unless provided for in the Bid format.
 8. Prices quoted must include all costs for transportation to the location indicated above including delivery inside the building.
 9. Not more than one alternate product may be quoted on any single item of the bid. Description and pricing for such alternate must be typed in on this document immediately below space for pricing of primary bid.
 10. All bids shall be effective for a period of 30 days from the opening date of this bid, and no bid may be withdrawn prior thereto.
 11. In all cases where no sample is submitted by the bidder, it will be understood that the bidder agrees to furnish the exact article or articles as specified, or to exactly match the Board's sample. Where samples are requested on items bid, failure to provide such samples may result in the automatic disqualification of the bid for those items.
 12. Samples to receive consideration must be delivered to the Board's Service Center, 1305 Muriel St., unless otherwise specified, and all charges for transportation, including drayage, must be paid by the bidder. Samples must be delivered on or before the day and hour for opening this bid.
 13. The Board of Public Education reserves the right to increase quantities of items to be purchased to reflect actual Board needs at the time that orders are issued. Such additional quantities will be purchased at the price indicated on this bid.
 14. The Board of Public Education reserves the right to reject any or all bids, and to accept or reject any item or group of items, for which bid is submitted.
 15. Piggybacking - It is understood that the goods and services described in the specifications may be purchased by the District and any other local municipal bodies as set forth in the specifications and bidder agrees to supply the goods and services to the local municipal bodies on the same terms and conditions as if they were to be supplied to the District. To the extent that the local municipal bodies purchase goods or services, then the local municipal bodies and not the District, shall be liable to the bidder.

SCHOOL DISTRICT OF PITTSBURGH
PROCEDURES FOR IMPLEMENTATION OF
SUBSTANCE ABUSE POLICY

PURPOSE

The purpose of these Procedures is to specify to whom the Substance Abuse Policy of the School District of Pittsburgh applies and to ensure that the Substance Abuse Policy is implemented and enforced in a uniform manner throughout the School District of Pittsburgh (the District).

APPLICABILITY

The Substance Abuse Policy of the District applies to Construction Contractors and other Independent Contractors, and their employees whose work with the District will include tasks that are considered high risk or safety sensitive or includes tasks that genuinely implicate public safety.

DEFINITIONS

Alcohol Test – a “for cause” only test for alcohol performed according to the National Highway Traffic Safety Administration, Model Specifications and Evidential Breath Testing Devices, 49 Federal Register 48855, dated December 14, 1984 (and any amendments thereto). For purposes of these procedures, the cut off level for alcohol shall be .04%.

Appropriate Drug Test – a test for drugs that is performed according to the Department of Health and Human Services Mandatory Guidelines for Federal Workplace Drug Testing Program, 53 Federal Register 11970, April 11, 1988 (and any amendments thereto).

Certificate of Compliance – a notarized Certificate executed by the Contractor and submitted to the School District’s Compliance Officer declaring that the Contractor has read and understands the Substance Abuse Policy of the District and will allow only those employees who have passed an appropriate drug test to work on District projects.

Contractor – a Construction Contractor or an Independent Contractor.

Contractor’s Substance Abuse Testing Program – the Pre-Access Testing Program and/or “for cause” testing program established, administered and enforced by the Contractor pursuant to Paragraphs 2 & 3 of the District’s Substance Abuse Policy. Such a program may include a rehabilitation component through a facility that has been accredited through the Joint Committee on Accreditation of Health Care Organizations.

Employee – a Subcontractor or an employee of a Construction Contractor or an Independent Contractor.

High Risk or Safety Sensitive Tasks – functions that include, but are not limited to:

1) duties related to construction on District property, including tasks performed by ironworkers, plumbers, electricians, roofers, painters and those engaged in HVAC (heating, cooling, ventilation and air conditioning) work; 2) tasks that include the operation of all kinds of equipment and machinery; 3) the operation of vehicles that require the operator to hold a CDL (Commercial Driver's License); and 4) any type of work that requires an individual to climb or use any type of scaffolding, lifts, or ladders or would require an individual to work at a substantial height.

Pre-Access Testing Program – the portion of the Contractor's Substance Abuse Testing Program that requires a drug test to be performed on an employee and passed prior to allowing an employee access to District workplaces.

Random Testing – a drug testing program implemented and managed by a Third Party Administrator, at a cost to the Contractor, whereby participants are selected by social security number from the total program participation. Participants are selected by utilizing a computer with a number generating software program. Twenty-five percent (25%) of the total program participation will be randomly tested. A participant may be tested more than once.

Substance Abuse – the use of drugs or alcohol at the workplace.

Testing "for cause" – alcohol testing necessitated by observed behavior indicating that the employee may be under the influence of drugs or alcohol and/or the involvement by the employee in, or cause of an accident which causes or could have caused injury to the employee or another individual, or which causes or could have caused destruction or damage to the District's property.

Third Party Administrator – the entity that will validate Contractor's Substance Abuse Testing Program and will implement and manage a random testing program and develop/maintain a database for the District.

PROCEDURES

1. It is the policy of the School District of Pittsburgh, consistent with applicable laws and regulations to prohibit the use of illegal drugs and the use of alcohol at the workplace and to require that all Construction Contractors and other Independent Contractors certify that their employees engaged in the type of work covered by this policy have passed an appropriate drug test.

2. Prior to the bidding process for each contract subject to this policy, it shall be the duty of the Director of the Division or Administrator soliciting the bid to determine if any of the work of the contract is considered high risk, safety sensitive or considered to genuinely implicate public safety and if so must include the School District of Pittsburgh's Substance Abuse Policy and Certification Form in the Bid Documents.
3. During the negotiation process for each personal services contract subject to this Policy, it shall be the duty of the Director of the Division or Administrator to determine if any of the work of the contract is considered high risk, safety sensitive or considered to genuinely implicate public safety and if so must provide the School District of Pittsburgh's Substance Abuse Policy and Certification Form to the individual who will execute the contract.
4. The list of high risk or safety sensitive tasks or tasks that genuinely implicate public safety are listed in the definition of this policy however, the list is not exclusive. Such list shall be reviewed by the Chief of Operations and/or his designee prior to the commencement of the policy. Such list shall be periodically reviewed in order to determine if additional tasks should be added to the list.
5. Certificates of Compliance shall be directed to the District's Compliance Officer. Such certificates will be maintained on file for one year beyond job completion in the office of the Compliance Officer. Certificates of Compliance will be required for each contract with the School District of Pittsburgh to which these guidelines apply.
6. Any Construction Contractor, Independent Contractor or employee of same who observes behavior indicating that another person to whom this policy applies may be under the influence of drugs or alcohol shall immediately report such behavior to the District's Compliance Officer or the Office of the Chief of Staff at 412-622-3633.
7. Any Construction Contractor or Independent Contractor who violates this policy or its reporting requirements shall cause its contract with the District to be immediately terminated, and any employee who violates same shall immediately be removed from such project.
8. The School District of Pittsburgh and/or its designee maintains the absolute right to examine and review from time to time, any and all records related to the Contractor's Substance Abuse Program.

**CERTIFICATE OF COMPLIANCE WITH THE
SUBSTANCE ABUSE POLICY OF THE
SCHOOL DISTRICT OF PITTSBURGH**

I, _____, do hereby certify that I have read and understand the Substance Abuse Policy of the School District of Pittsburgh, and have supplied a copy of same to my employees and/or subcontractors. I also declare that my employees and/or subcontractors and their employees who will be performing tasks that are high risk, safety sensitive or genuinely implicate public safety, will pass an appropriate test for substance abuse prior to being permitted access to the School District of Pittsburgh's workplaces.

NOTARY PUBLIC

BY: _____
Signature of Representative

Signature of Notary

Print Name & Title of Representative

(Seal and/or Stamp)

Print Name of Company

Telephone Number of Representative

Date

INSTRUCTIONS FOR CERTIFICATION REGARDING
DEBARMENT, SUSPENSION, INELIGIBILITY AND VOLUNTARY EXCLUSION-
LOWER TIER COVERED TRANSACTIONS

1. By signing and submitting this form, the prospective lower tier participant is providing the certification set out on the following page in accordance with these instructions.
2. The certification in this clause is a material representation of fact upon which reliance was placed when this transaction was entered into. If it is later determined that the prospective lower tier participant knowingly rendered an erroneous certification, in addition to other remedies available to the Federal Government, the department or agency with which this transaction originated may pursue available remedies, including suspension and/or debarment.
3. The prospective lower tier participant shall provide immediate written notice to the person to which this proposal is submitted if at any time the prospective lower tier participant learns that its certification was erroneous when submitted or has become erroneous by reason of changed circumstances.
4. The terms “covered transaction”, “debarred”, “suspended”, “ineligible”, “lower tier covered transaction”, “participant”, “person”, “primary covered transaction”, “principal”, “proposal” and “voluntarily excluded”, as used in this clause, have the meanings set out in the Definitions and Coverage sections of rules implementing Executive Order 12549. You may contact the person to which this proposal is submitted for assistance in obtaining a copy of those regulations.
5. The prospective lower tier participant agrees by submitting this form that, should the proposed covered transaction be entered into, it shall not knowingly enter into any lower tier covered transaction with a person who is debarred, suspended, declared ineligible, or voluntarily excluded from participation in this covered transaction, unless authorized by the department or agency with which this transaction originated.
6. The prospective lower tier participant further agrees by submitting this form that it will include in this clause titled “Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion, - Lower Tier Covered Transactions”, without modification, in all lower tier covered transactions and in all solicitations for lower tier covered transactions.
7. A participant in a covered transaction may rely upon a certification of a prospective participant in a lower tier covered transaction that it is not debarred, suspended, ineligible, or voluntarily excluded from the covered transaction, unless it knows that the certification is erroneous. A participant may decide the method and frequency by which it determines the eligibility of its principals, each participant may, but is not required to, check the List of Parties Excluded from Federal Procurement or Nonprocurement Programs.
8. Nothing contained in the foregoing shall be construed to require establishment of a system of records in order to render in good faith the Certification required by this clause. The knowledge and information of a participant is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.
9. Except for transactions authorized under paragraph 5 of these instructions, if a participant in a covered transaction knowingly enters into a lower tier covered transaction with a person who is suspended, debarred, ineligible, or voluntarily excluded from participation in this transaction, in addition to other remedies available to the Federal Government, the department or agency with which this transaction originated may pursue available remedies, including suspension and/or debarment.

CERTIFICATION

REGARDING DEBARMENT, SUSPENSION, INELIGIBILITY AND VOLUNTARY EXCLUSION -LOWER TIER COVERED TRANSACTIONS

This certification is required by the regulations implementing Executive Order 12549, Debarment and Suspension, encoded at 29 CFR Part 98, 98.510, participants responsibilities. The regulations were published as Part VII of the May 26, 1988 Federal Register {Pages 19160-19211}.

{BEFORE COMPLETING CERTIFICATION, READ ATTACHED INSTRUCTIONS WHICH ARE AN INTEGRAL PART OF THE CERTIFICATION}.

(1) The prospective recipient of federal assistance funds certifies, by submission of this proposal, that neither it nor its principals are presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this transaction by any federal department or agency.

(2) Where the prospective recipient of federal assistance funds is unable to certify to any of the statements in this Certification, such prospective participant shall attach an explanation to this proposal.

NAME OF ORGANIZATION _____

AUTHORIZED REPRESENTATIVE _____ TITLE _____

SIGNATURE _____ DATE _____

ADDRESS _____

PHONE _____ E-MAIL _____

The Board of Public Education
of the School District of Pittsburgh
Pittsburgh, PA 15213

INQUIRY NUMBER 8799
SHEET NUMBER 8 of 14

	Articles	Price
	<p style="text-align: center;">SPECIFICATIONS</p> <p style="text-align: center;">FOR</p> <p style="text-align: center;">SWIMMING POOL WATER ANALYSIS</p> <p style="text-align: center;">AT</p> <p style="text-align: center;">VARIOUS SCHOOLS</p> <p>ANALYSIS OF SWIMMING POOL WATER FOR THE PERIOD OF THIRTY-SIX (36) MONTHS FROM OCTOBER 1, 2018 TO SEPTEMBER 30, 2021 IN ACCORDANCE WITH THE ATTACHED SPECIFICATIONS WHICH ARE MADE A PART OF THIS BID.</p> <p>ANY QUESTIONS PERTAINING TO THIS BID SHOULD BE DIRECTED TO:</p> <p style="text-align: center;">Mark Jordan</p> <p style="text-align: center;">THE BOARD OF PUBLIC EDUCATION SERVICE CENTER-UPPER LEVEL 1305 MURIEL STREET PITTSBURGH, PA 15203</p> <p style="text-align: center;">PHONE: (412) 529-5145</p> <p style="text-align: center;"><u>NON-DISCRIMINATION POLICY</u></p> <p>THE PITTSBURGH PUBLIC SCHOOL DISTRICT IS AN EQUAL OPPORTUNITY EDUCATION INSTITUTION AND WILL NOT DISCRIMINATE ON THE BASIS OF RACE, COLOR, NATIONAL ORIGIN, SEX OR HANDICAP IN ITS ACTIVITIES, PROGRAMS OR EMPLOYMENT PRACTICES AS REQUIRED BY TITLE VI, TITLE IX AND SECTION 504.</p> <p>FOR INFORMATION REGARDING CIVIL RIGHTS OR GRIEVANCE PROCEDURES CONTACT: <u>CONTRACT COMPLIANCE OFFICE, PITTSBURGH PUBLIC SCHOOLS, 1305 MURIEL STREET, PITTSBURGH, PA 15203 (412) 529-4661.</u></p>	

We, the undersigned, hereby propose and agree to furnish to the Board of Public Education any or all of the items that we have priced, at the prices set opposite each item in the foregoing list. This proposal is subject to all terms of the specifications, bid conditions and instructions herein, and we hereby agree to furnish such item or items as may be awarded to us. This bid document is null and void without an original signature of a person properly authorized to sign for the company submitting the bid.

Company Name _____

Sign Here _____

Original Signature Required

**The Board of Public Education
of the School District of Pittsburgh
Pittsburgh, PA 15213**

INQUIRY NUMBER 8799
SHEET NUMBER 9 of 14

	Articles	Price
<u>ITEM NO.</u>	<u>SWIMMING POOL WATER ANALYSIS</u>	
	Analysis of swimming pool water in accordance with the five (5) pages of attached specifications at sixteen (16) swimming pools operated by the School District of Pittsburgh.	
1.	Lot price for all pools from October 1, 2018 to September 30, 2019	Lot Price \$ _____
2.	Lot price for all pools from October 1, 2019 to September 30, 2020	Lot Price \$ _____
3.	Lot price for all pools from October 1, 2020 to September 30, 2021	Lot Price \$ _____

We, the undersigned, hereby propose and agree to furnish to the Board of Public Education any or all of the items that we have priced, at the prices set opposite each item in the foregoing list. This proposal is subject to all terms of the specifications, bid conditions and instructions herein, and we hereby agree to furnish such item or items as may be awarded to us. This bid document is null and void without an original signature of a person properly authorized to sign for the company submitting the bid.

Company Name _____

Sign Here _____

Original Signature Required

**SPECIFICATIONS FOR ANALYSIS OF
SWIMMING POOL WATER
IN THE PITTSBURGH PUBLIC SCHOOLS**

1. SCOPE OF WORK

The service to be performed in accordance with current Allegheny County Health Department requirements. The service to be provided under this contract shall be performed each week that the swimming pools are in use at each of the sixteen (16) swimming pools in the Pittsburgh Public Schools (list of schools and street locations are on the attached Page No. 14) and shall include the following:

- a. Standard plate count of swimming pool water, shallow and deep end samples at 35°C.
- b. Test for the presence of members of coliform group in the swimming pool water, shallow and deep end samples.
- c. Test for free available chlorine in the swimming pool water.
- d. Determination of pH of the swimming pool water.
- e. Determination of water clarity of the swimming pool water.
- f. Furnish competent advice as required during the time of each visit on the following:
 1. Feed and use of the chemicals.
 2. Control of algae, iron and manganese deposits and similar programs.
 3. Operation of the filtration and pumping systems of all types in use, the use of pressure gauges, air relief valves and other appurtenances and the care of sand and gravel used as filter media in the pressure type filters.
- g. The periodic checking for accuracy of the sets used by the operating personnel.

This service to cover the period of thirty-six (36) months from September 1, 2015 to August 31, 2018.

2. PERFORMANCE OF WORK

The pools are to be visited on school days between the hours of 9:00 a.m. and 3:00 p.m. The custodian or his representative must be contacted at the time sample is taken. If the chlorine residual pH is found to be below the recommended minimum requirements, the condition shall be corrected before the contractor leaves the building. Should any irregularities be noted that might be detrimental to the health or safety of the swimmers in the pool, the contractor shall remain at the pool and/or return to the pool as frequently as is necessary to ascertain that the troubles are corrected. The Chief of Plant Operations shall be notified as soon as feasible after the condition is noted. Lab Microbiological water testing 7 days a week in the event of an emergency.

In addition, the contractor shall provide consultation, at no additional cost, to the Chief of Plant Operations, District Supervisors of Operation, Custodians, Stationary Engineers or any other member of the Board Staff on any matter pertaining to the operation of the swimming pools; as well as, be available for meetings with health officials upon sufficient notice should the necessity arise.

3. PAYMENTS

The contractor shall bill the School District on a monthly basis with each monthly invoice reflecting the charge for one-twelfth (1/12) of the yearly contract price. In the event that certain schools may be closed, a pro-rata deduction in the amount of the payment shall be deducted.

4. REPORTS

Five (5) copies of the reports of each analysis shall be mailed or delivered to the Chief of Plant Operations no later than the Tuesday following the week that the samples were taken. The reports shall be written on the Contractor's letterhead which shall be 8-1/2" x 11" in size and shall contain the following entries:

- a. Name, Address and State Approved Laboratory Number of the Contractor.
- b. Name of school.
- c. Type of water.
- d. Source of sample.
- e. By whom sample was taken.
- f. Date and time sample was taken.
- g. Date sample was examined.
- h. Bacteria per ML at 35° C.
- i. Test for presence of member of coliform group:
 - 1. Sample size.
 - 2. Type of sample.
 - 3. Coliform per 100 ML and/or most probable number.
- j. Chemical tests:
 - 1. Turbidity.
 - 2. pH.
 - 3. Residual chlorine.
- k. Rating:

Pool Ratings shall be made on the basis of bacteriological findings as follows:

NUMBER OF BACTERIA	DESIGNATION APPEARING ON REPORT	RATING INDEX	SUBJECTIVE APPRAISAL VALUE
-0-	None	A	Excellent
1 to 30	Too few to count (T.F.T.C.)	B	Good
31 to 100	Numerical Value	C	Fair
101 to 199	Numerical Value	D	Acceptable
200 & Over	Numerical Value	E	Unacceptable
300 & Over	Too numerous to count	E	Unacceptable

Any sample which is positive for coliform organisms will be rated as an "E" Rating (Unacceptable).

The custodial performance should be rated by prefixing the present A, B, C, D and E ratings as follows:

DESIGNATION	CHLORINE VALUES PPM	TURBIDITY
A	2.6 to 3.4	None
B	2.0 to 2.5 or 3.5 TO 4.0	None
C	1.5 to 1.9 or 4.1 TO 4.5	None
D	1.0 to 1.4 or 4.6 TP 5.0	None
E	Less than 1.0 or above 5.0	None

DESIGNATION	pH VALUES
IDEAL	7.4 to 7.6
SATISFACTORY	7.2 or 7.8
UNSATISFACTORY	Below 7.2 or Above 7.8

If the pH was below 7.0 or the water was turbid, the numerical rating would be dropped to the next lower rating. In addition, an annual report shall be made, in tabular form, giving the breakdown of total plate count (5 headings), coliform data (3 headings), pH (7 headings) and chlorine residual (11 headings) for each of the sixteen (16) school swimming pools. Ratings of the sixteen (16) pools shall be made in a graphic report based on the above data and in percentage and the success of each pool in conforming to the standards as set by the School Board.

5. TESTS

Total plate count and test for the presence of members of the coliform group shall be made in accordance with the methods as set forth in **STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER**, as published by the American Public Health Association, Incorporated, 800 I. Street, NW, Washington, D.C. 20001-3710.

The plate, fermentation tubes or membrane filters, clearly marked designating source of sample which are used in the determination of total plate counts or coliform densities, shall be held for delivery to the Director of Plant Operations as proof of analysis until the Tuesday following the day the sample was taken and **MUST BE PRODUCED** for examination if requested; otherwise, the contract will be considered null and void.

The free, combined and total chlorine residual analysis must be done by the all liquid DPD Method. pH Values shall be made using phenol red or a pH meter regularly calibrated with the Phenol Red System. Turbidity shall be examined visually except in the case of turbid waters when a standard turbidity disk must be used.

6. POOLSIDE TEST EQUIPMENT

Chlorine residual and pH shall be measured with a Wallace & Tiernan Disc Comparator as used by the Board of Education, a Taylor DPD Method using Reagents R-0870 and R-0871 or an equal with the ability to record results of 0.2 PPM Chlorine Residual. Taylor slide may be used to measure pH only.

7. QUALIFICATIONS OF BIDDERS

Firms must have a Laboratory which is approved by the Commonwealth of Pennsylvania Department of Health to perform water analysis.

The analytical work must be done by or under the supervision of a qualified bacteriologist and chemist qualified through experience and education and by such required licensing or recognition given by related governing bodies including the Commonwealth of Pennsylvania.

Under this proposal, the person who is actually performing such water analysis shall be:

NAME

ADDRESS

The bidder is required to submit detailed summary as to this person's education, experience, training, references, etc. Furthermore, this firm must be well versed in the equipment, operation, hydraulics and maintenance of swimming pools so that they may render consultation, at no additional cost, to the Board of Education Representatives as the need arises.

8. CANCELLATION OF CONTRACT

The Owner reserves the right, upon evidence of failure to comply with the contract requirements, to cancel the contract upon ten (10) days notice, upon payment of compensation for work done, or upon any other basis which may be determined by mutual agreement or by the award of a Board of Arbitrations.

9. TRAINING OF STAFF

The Contractor shall provide 8 hours of yearly training; offer and coordinate this training session with the Chief of Plant Operations, Pittsburgh Public Schools, Mr. Thomas Meeder, at 412-529-5120. The training sessions shall offer a program illustrated by an audio-visual training aid. The program shall offer, at a minimum, the following topics:

- 1) Water testing program
- 2) Basic pool water chemistry
- 3) M.S.D.S. for pool water chemicals
- 4) Chemical feed systems
- 5) Control instrumentation
- 6) Pool filtration/pumps/design
- 7) Recordkeeping
- 8) Troubleshooting pool facilities

The Chief of Plant Operations will advise the Contractor of the number of attendees, time, and place of training.

LIST OF SCHOOLS WITH ADDRESSES HAVING SWIMMING POOLS

<u>SCHOOL</u>	<u>LOCATION</u>	<u>ZIP</u>
Allerdice High	2409 Shady Avenue	15217
Allegheny Middle	810 Arch Street	15212
Arsenal Middle	3900 Butler Street	15201
Baxter Building	925 Brushton Avenue	15208
Brashear High	590 Crane Avenue	15216
Carrick High	125 Parkfield Street	15210
Colfax Elementary	2332 Beechwood Boulevard	15217
Greenfield K-8	1 Alger Street	15207
Greenway Building	1400 Crucible Street	15205
Langley K-8	2940 Sheraden Boulevard	15204
Oliver High	2323 Brighton Road	15212
Obama 6-12	515 N. Highland Avenue	15206
Perry Traditional Academy	3875 Perrysville Avenue	15214
Science & Technology Academy	107 Thackeray Street	15213
University Prep	3117 Centre Avenue	15219
Westinghouse High	1101 N. Murtland Avenue	15208