



**South Philadelphia High School  
Pre-K Program Areas**  
2101 South Broad Street  
Philadelphia, Pennsylvania

## **Paint and Plaster Targeted Stabilization Project Final Report**

April 20, 2021

**PREPARED FOR:**

School District of Philadelphia  
440 North Broad Street, Room 3053  
Philadelphia, Pennsylvania  
Attention: Mr. Steven Link

**PREPARED BY:**

The Vertex Companies, Inc.  
2501 Seaport Drive, Suite BH110  
Chester, Pennsylvania 19013  
**PHONE 610.558.8902**

**VERTEX Project No: 59190**

**CONTROL NUMBER:**

2019255008

**WORK ORDER NUMBER:**

1811511

**PSD PROJECT NUMBER:**

900317

**ACTIVITY NUMBER:**

TBD

## TABLE OF CONTENTS

- I. Introduction
- II. Methods Executive Summary
  - A. Preliminary Steps
    - i. Facilities Building Cleaning Staff Training
  - B. Pre-Cleaning
  - C. Paint and Plaster Stabilization Procedures
    - i. Work Practices
    - ii. Oversight
  - D. Cleanup and Completion of Stabilization Work
    - i. Cleanup
    - ii. Testing
- III. Oversight
  - A. Scope of Work
  - B. EPA Checklist
  - C. Oversight

Appendix A. Scope of Work Table

Appendix B. EPA Checklist Table

Appendix C. Oversight Table

Appendix D. Environmental Firm Certifications

Appendix E. Paint Contractor Certifications

## **I. Introduction**

The School District of Philadelphia developed a Paint and Plaster Stabilization Project Plan and Procedures jointly with the District's Office of Environmental Management and Services (OEMS) and the Philadelphia Federation of Teacher's Health and Welfare Fund and Union's Director of Environmental Science and Occupational Safety and Health. The purpose of this work is to minimize the risk of children's exposure to lead-based paint while at school. Designated schools were inspected on a room-by-room basis to develop a Scope of Work for each school. Synertech, Inc. performed the inspection to develop the scope of work for this project. The scope of this inspection was limited to the classrooms, restrooms, hallways, and stairwells used by the Pre-K Program. Because of the limited number of areas of damaged lead based paint found, only those areas of the building were stabilized.

The Vertex Companies, Inc. (VERTEX) was contracted by OEMS to perform oversight and clearance testing during the paint and plaster stabilization project that was conducted at the South Philadelphia High School located at 2101 South Broad Street in Philadelphia, PA. The project began on August 27, 2019 and was completed on September 10, 2019. Workers certified under the US Environmental Protection Agency (EPA) Lead Renovation, Repair, and Painting Rule (RRP) performed the removal of loose, peeling, flaking, and damaged paint and plaster as delineated in the Scope of Work. This work was overseen by a VERTEX certified environmental technician who verified workers were following RRP rules/procedures. The environmental technician also performed lead in dust wipe sampling in areas designated by the stabilization plan.

## **II. Methods Executive Summary**

### **A. Preliminary Steps**

#### **i. Facilities Building Cleaning Staff Training**

Cleaning staff were provided with information about this project and expectations for post-cleaning. Post-cleaning activities included High Efficiency Particulate Air (HEPA) vacuuming and wet wiping all horizontal surfaces and polishing floors.

### **B. Pre-Cleaning**

District Maintenance Environmental Staff performed HEPA vacuuming and wet wiping in areas that had significant paint chips or plaster debris on stored materials that needed to be moved prior to stabilization.

## **C. Paint and Plaster Stabilization Procedures**

### **i. Work Practices**

Any remaining objects in each space were covered with plastic. All windows, non-entrance doors, and HVAC system openings were also sealed with plastic. The entrance to the space was covered with plastic sheeting and a plastic flap and had a lead warning sign attached as per EPA Lead RRP. A tacky walk-off pad was placed outside the entrance to limit the spread of dust from the work area. Any visible paint chips and dust were promptly HEPA vacuumed. Plastic floor coverings extended six-feet out from the vertical surfaces being stabilized, where physically possible.

All workers performing paint and plaster stabilization were certified as Lead RRP workers. Workers wore disposable clothing, foot coverings, and applicable respiratory protection inside each work area when performing paint and plaster stabilization. Stabilization work was performed in compliance with the EPA Lead RRP rules and guidelines. When stabilization work was completed, paint chips and debris were misted and folded up inside plastic floor coverings and disposed of in heavy duty plastic waste bags. Waste bags were tied with a “gooseneck” knot and sealed with tape. Waste was disposed of off-site as construction debris.

### **ii. Oversight**

An environmental technician was on-site each day that any prep-work, stabilization, or painting was performed by the contractor. The overall responsibility of the technician was to ensure compliance with lead safe work practices. The technician maintained an oversight spreadsheet with the date each space was pre-cleaned, the contents were moved, the space was prepped, and the surfaces were stabilized. RRP wipes collected by the painting contractor were verified as clean or passing by the technician and recorded on this spreadsheet.

In addition, the technician also completed an EPA Checklist spreadsheet. This spreadsheet confirmed that for each work area that lead warning signs were posted at the entrance, the work area was contained to prevent the spread of dust and debris, all objects in the work area were removed or covered with plastic sheeting, HVAC ducts were closed and covered, windows were closed, doors were closed and sealed, doors that must be used for passage were covered to prevent the spread of dust, floors were covered with taped down plastic, waste was contained on-site and while being transported off site, work areas were properly cleaned after renovation, all chips and debris were picked up, protective sheeting misted, folded dirty side inward, and taped for removal, light lenses were inspected, surfaces above light fixtures were inspected, and that surfaces were HEPA vacuumed or wiped with wet cloths.

#### **D. Cleanup and Completion of Stabilization Work**

The following cleanup and completion procedures were performed for each work area after the completion of the stabilization work:

##### **i. Cleanup**

Cleanup began once the contractor and environmental technician agreed that there were no signs of loose, peeling, flaking, bubbling, or crumbling paint or plaster on walls, ceilings, or any other lead based painted surfaces. The protective sheeting was misted, folded dirty side inward, taped, and bagged in heavy duty trash bags. Workers used HEPA vacuums and wet cloths to clean floors, windowsills, and any other horizontal surfaces. The environmental technician then performed a visual inspection to ensure there were no visible signs of paint chips, debris, or dust of any kind on surfaces in the work area or outside the contained and isolated work area.

##### **ii. Testing**

For each work area, passing EPA RRP verification wipes were the only tests required. Once each work area was stabilized, plastic coverings removed, and surfaces cleaned, the environmental technician performed a visual inspection. Upon passing the visual inspection, the contractor performed EPA RRP verification wipes as required by EPA Lead RRP. The contractor and technician had to agree that each wipe passed the cleanliness standard. If either the contractor or technician failed a wipe, the space was recleaned and retested until the wipes passed.

In “Child-occupied area” spaces, at least one colorimetric wipe per space was collected. “Child-occupied areas” include but are not limited to classrooms, restrooms, cafeterias, gymnasiums, IMCs, and auditoriums that are routinely used by children in pre-kindergarten, kindergarten, and first grade. Common areas that these children only pass through, such as hallways and stairwells are not included.

### **III. Oversight**

#### **A. Scope of Work**

A Scope of Work for South Philadelphia High School Pre-K Program Areas was developed following a room-by-room inspection of the school by Synertech, Inc. The assessor looked for cracking, chipping, gouging, holes, flaking, spalling, efflorescence, and significant moisture damage on walls and ceilings throughout the school. The assessor also recorded any observed paint chips or plaster debris on floors, windowsills, furniture, and stored materials. Identified damaged components were then tested using an X-Ray Fluorescence (XRF) handheld analyzer. The XRF reports the quantity of lead in milligrams/centimeter<sup>2</sup> (mg/cm<sup>2</sup>). If the quantity of lead is at or above 0.7 mg/cm<sup>2</sup>, the paint is considered lead

based. The observed damage that was determined to be lead based paint by the XRF for each space became the Scope of Work for this project.

A copy of the Scope of Work can be found in Appendix A.

## **B. EPA Checklist**

The on-site environmental technician completed an EPA Checklist spreadsheet. This spreadsheet confirmed that for each work area that warning signs were posted at the entrance, the work area was contained to prevent the spread of dust and debris, all objects in the work area were removed or covered, HVAC ducts were closed and covered, windows were closed, doors were closed and sealed, doors that must be used for passage were covered to prevent the spread of dust, floors were covered with taped down plastic sheeting, waste was contained on-site and while being transported off site, work areas were properly cleaned after renovation, all chips and debris were picked up, protective sheeting misted, folded dirty side inward, and taped for removal, and that surfaces were HEPA vacuumed or wiped with wet clothes. The technician also confirmed that a certified renovator performed post renovation cleaning verification and signed off that each of the previously listed requirements had occurred for each work area.

A copy of the EPA Checklist can be found in Appendix B.

## **C. Oversight**

An environmental technician was on-site each day that any prep-work, stabilization, or painting was performed by the contractor. The overall responsibility of the technician was to ensure compliance with lead safe work practices. Each technician was a certified renovator and lead dust sampling technician. The technician maintained an oversight spreadsheet completing the date each space was pre-cleaned, the contents were moved, the space was prepped, and the surfaces were stabilized. The technician also collected colorimetric and FAAS wipes where necessary and recorded the number of RRP wipes, colorimetric wipes, and the results of any wipes submitted for FAAS on this spreadsheet.

A copy of the Oversight spreadsheet can be found in Appendix C.

## **D. Sample Results**

<b>Summary of Sample Results for South Philadelphia High School Pre-K Program Areas</b>		
<b>Number of RRP Wipes</b>	<b>Number of Colorimetric Wipes</b>	<b>Number of FAAS Samples</b>
<b>115</b>	<b>0</b>	<b>0</b>

Specific locations for the RRP verification wipes can be found in Appendix C.

A copy of VERTEX's RRP certification and information on the environmental technician certifications is presented in Appendix D - Environmental Firm Certifications. A copy of the painting contractor's RRP certification and information on the painter certifications is presented in Appendix E - Paint Contractor Certifications.

**Appendix A. Scope of Work Table**



# South Philadelphia High School

## Scope of Work

ULCS#	E l e m e n t	Bldg	Elm t ID	F l o o r	Space #	Space Type	On-Site Room Name	Student/ Teacher Occupied (yes/no)	Primary Component	Substrate Material	Color	Description of Primary Damage	Primary Component Damage Quantity (sf)	XRF Reading (mg/cm2)	Primary Component XRF (positive/ negative)	Additional Component	Substrate Material	Color	Description of Paint and Plaster Damage	Additional Component Damage Quantity (sf)	XRF Reading (mg/cm2)	Additional Component XRF (positive/ negative)	Debris Present (describe location)	Quantity (sf)	Contents Need to be Moved	On-going Moisture Intrusion	Plastering Needed (yes or no)	Comments/ Description/ Notes	
2000	1	B200001-1	2	202	Senior High	Daycare Room 202	Daycare Room 202	yes	W1	Concrete	White	None	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	None	0	No	No	no	
2000	1	B200001-1	2	202	Senior High	Daycare Room 202	Daycare Room 202	yes	W2	Concrete	White	None	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	None	0	No	No	no	
2000	1	B200001-1	2	202	Senior High	Daycare Room 202	Daycare Room 202	yes	W2	Concrete	Black	Chipping	20	0.02	Negative	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	None	0	No	No	no	
2000	1	B200001-1	2	202	Senior High	Daycare Room 202	Daycare Room 202	yes	W3	Concrete	White	None	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	None	0	No	No	no	
2000	1	B200001-1	2	202	Senior High	Daycare Room 202	Daycare Room 202	yes	W3	N/A	N/A	N/A	N/A	N/A	N/A	Radiator cover	Metal	Blue	Chipping	2	0.3	Negative	None	0	No	No	no		
2000	1	B200001-1	2	202	Senior High	Daycare Room 202	Daycare Room 202	yes	W4	Concrete	White	None	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	None	0	No	No	no	
2000	1	B200001-1	2	202	Senior High	Daycare Room 202	Daycare Room 202	yes	W4	Concrete	Black	Chipping	20	0.02	Negative	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	None	0	No	No	no	
2000	1	B200001-1	2	202	Senior High	Daycare Room 202	Daycare Room 202	yes	Ceiling	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	None	0	No	No	no	
2000	1	B200001-1	2	202	Senior High	Daycare Room 202	Daycare Room 202	yes	Floor	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	None	0	No	No	no	Ceiling Tiles Floor Tiles
2000	1	B200001-1	2	S23	Stairs	Stairwell # 2 next to Classroom 205	Stairwell # 2 next to Classroom 205	yes	W1	Brick	Green	None	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	None	0	No	No	no	
2000	1	B200001-1	2	S23	Stairs	Stairwell # 2 next to Classroom 205	Stairwell # 2 next to Classroom 205	yes	W2	Brick	Green	None	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	None	0	No	No	no	
2000	1	B200001-1	2	S23	Stairs	Stairwell # 2 next to Classroom 205	Stairwell # 2 next to Classroom 205	yes	W2	N/A	N/A	N/A	N/A	N/A	N/A	Door	Metal	Brown	Chipping	2	0.04	Negative	None	0	No	No	no		
2000	1	B200001-1	2	S23	Stairs	Stairwell # 2 next to Classroom 205	Stairwell # 2 next to Classroom 205	yes	W3	Brick	White	None	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	None	0	No	No	no	
2000	1	B200001-1	2	S23	Stairs	Stairwell # 2 next to Classroom 205	Stairwell # 2 next to Classroom 205	yes	W4	Brick	White	None	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	None	0	No	No	no	
2000	1	B200001-1	2	S23	Stairs	Stairwell # 2 next to Classroom 205	Stairwell # 2 next to Classroom 205	yes	Ceiling	Plaster	White	None	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	None	0	No	No	no	
2000	1	B200001-1	2	S23	Stairs	Stairwell # 2 next to Classroom 205	Stairwell # 2 next to Classroom 205	yes	Ceiling	N/A	N/A	N/A	N/A	N/A	N/A	Stair pan	Metal	Tan	Flaking	10	0.9	Positive	None	0	No	No	no		
2000	1	B200001-1	2	S23	Stairs	Stairwell # 2 next to Classroom 205	Stairwell # 2 next to Classroom 205	yes	Floor	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	None	0	No	No	no	Underside of stairs Floor Tiles
2000	1	B200001-1	2	S23	Stairs	Stairwell # 2 next to Classroom 205	Stairwell # 2 next to Classroom 205	yes	Floor	N/A	N/A	N/A	N/A	N/A	N/A	Stair riser	Metal	Tan	Flaking	16	0.86	Positive	None	0	No	No	no		
2000	1	B200001-1	2	S23	Stairs	Stairwell # 2 next to Classroom 205	Stairwell # 2 next to Classroom 205	yes	Floor	N/A	N/A	N/A	N/A	N/A	N/A	Stair stringer	Metal	Tan	Flaking	6	0.82	Positive	None	0	No	No	no		
2000	1	B200001-1	2	S23	Stairs	Stairwell # 2 next to Classroom 205	Stairwell # 2 next to Classroom 205	yes	Floor	N/A	N/A	N/A	N/A	N/A	N/A	Columns	Metal	Teal	Flaking	8	0.13	Negative	None	0	No	No	no		
2000	1	B200001-1	2	S21	Stairs	Stairwell adjacent to Classroom 200	Stairwell adjacent to Classroom 200	yes	W1	Concrete	White	None	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	None	0	No	No	no	Between handrails
2000	1	B200001-1	2	S26	Stairs	Stairwell adjacent to Classroom 200	Stairwell adjacent to Classroom 200	yes	W2	Plaster	Brown	Flaking	80	0.02	Negative	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	None	0	No	No	no	
2000	1	B200001-1	2	S26	Stairs	Stairwell adjacent to Classroom 200	Stairwell adjacent to Classroom 200	yes	W2	Concrete	White	None	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	None	0	No	No	no	
2000	1	B200001-1	2	S26	Stairs	Stairwell adjacent to Classroom 200	Stairwell adjacent to Classroom 200	yes	W3	Concrete	White	None	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	None	0	No	No	no	
2000	1	B200001-1	2	S26	Stairs	Stairwell adjacent to Classroom 200	Stairwell adjacent to Classroom 200	yes	W4	Concrete	White	None	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	None	0	No	No	no	
2000	1	B200001-1	2	S26	Stairs	Stairwell adjacent to Classroom 200	Stairwell adjacent to Classroom 200	yes	Ceiling	Plaster	White	None	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	None	0	No	No	no	Underside of stairs
2000	1	B200001-1	2	S26	Stairs	Stairwell adjacent to Classroom 200	Stairwell adjacent to Classroom 200	yes	Ceiling	N/A	N/A	N/A	N/A	N/A	N/A	Stair pan	Metal	Tan	Flaking	16	0.91	Positive	None	0	No	No	no		
2000	1	B200001-1	2	S26	Stairs	Stairwell adjacent to Classroom 200	Stairwell adjacent to Classroom 200	yes	Floor	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	None	0	No	No	no	Floor Tiles
2000	1	B200001-1	2	S26	Stairs	Stairwell adjacent to Classroom 200	Stairwell adjacent to Classroom 200	yes	Floor	N/A	N/A	N/A	N/A	N/A	N/A	Stair riser	Metal	Tan	Flaking	8	0.79	Positive	None	0	No	No	no		
2000	1	B200001-1	2	S26	Stairs	Stairwell adjacent to Classroom 200	Stairwell adjacent to Classroom 200	yes	Floor	N/A	N/A	N/A	N/A	N/A	N/A	Stair stringer	Metal	Tan	Flaking	8	0.82	Positive	None	0	No	No	no		
2000	1	B200001-1	2	H21	Circulation (Hallway)	Halfway from Classrooms 206 to 220	Halfway from Classrooms 206 to 220	yes	W1	Concrete	White	Cracking	4	0.02	Negative	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	None	0	No	No	no	
2000	1	B200001-1	2	H21	Circulation (Hallway)	Halfway from Classrooms 206 to 220	Halfway from Classrooms 206 to 220	yes	W2	Concrete	White	None	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	None	0	No	No	no	
2000	1	B200001-1	2	H21	Circulation (Hallway)	Halfway from Classrooms 206 to 220	Halfway from Classrooms 206 to 220	yes	W3	Concrete	White	Cracking	16	0.04	Negative	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	None	0	No	No	no	
2000	1	B200001-1	2	H21	Circulation (Hallway)	Halfway from Classrooms 206 to 220	Halfway from Classrooms 206 to 220	yes	W4	Concrete	White	None	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	None	0	No	No	no	
2000	1	B200001-1	2	H21	Circulation (Hallway)	Halfway from Classrooms 206 to 220	Halfway from Classrooms 206 to 220	yes	Ceiling	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	None	0	No	No	no	Ceiling Tiles
2000	1	B200001-1	2	H21	Circulation (Hallway)	Halfway from Classrooms 206 to 220	Halfway from Classrooms 206 to 220	yes	Floor	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	None	0	No	No	no	Floor Tiles
2000	1	B200001-1	2	H22	Circulation (Hallway)	Halfway from Classrooms 200 to 205	Halfway from Classrooms 200 to 205	yes	W1	Concrete	White	None	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	None	0	No	No	no	
2000	1	B200001-1	2	H22	Circulation (Hallway)	Halfway from Classrooms 200 to 205	Halfway from Classrooms 200 to 205	yes	W2	Concrete	White	Cracking	4	0.02	Negative	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	None	0	No	No	no	
2000	1	B200001-1	2	H22	Circulation (Hallway)	Halfway from Classrooms 200 to 205	Halfway from Classrooms 200 to 205	yes	W3	Concrete	White	Cracking	0	0	Negative	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	None	0	No	No	no	
2000	1	B200001-1	2	H22	Circulation (Hallway)	Halfway from Classrooms 200 to 205	Halfway from Classrooms 200 to 205	yes	W4	Concrete	White	Cracking	3	0.02	Negative	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	None	0	No	No	no	
2000	1	B200001-1	2	H22	Circulation (Hallway)	Halfway from Classrooms 200 to 205	Halfway from Classrooms 200 to 205	yes	Ceiling	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	None	0	No	No	no	
2000	1	B200001-1	2	H22	Circulation (Hallway)	Halfway from Classrooms 200 to 205	Halfway from Classrooms 200 to 205	yes	Floor	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	None	0	No	No	no	
2000	1	B200001-1	2	200	Senior High	Daycare Room 200	Daycare Room 200	yes	W1	Concrete	White	None	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	None	0	No	No	no	
2000	1	B200001-1	2	200	Senior High	Daycare Room 200	Daycare Room 200	yes	W2	Concrete	White	Cracking	4	0.04	Negative	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	None	0	No	No	no	
2000	1	B200001-1	2	200	Senior High	Daycare Room 200	Daycare Room 200	yes	W3	Concrete	White	None	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	None	0	No	No	no	
2000	1	B200001-1	2	200	Senior High	Daycare Room 200	Daycare Room 200	yes	W4	Concrete	White	Flaking	4	0.03	Negative	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	None	0	No	No	no	
2000	1	B200001-1	2	200	Senior High	Daycare Room 200	Daycare Room 200	yes	Ceiling	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	None	0	No	No	no	Ceiling Tiles
2000	1	B200001-1	2	200	Senior High	Daycare Room 200	Daycare Room 200	yes	Floor	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	None	0	No	No	no	Floor Tiles
2000	1	B200001-1	2	200A	Student Restrooms - Male/Female (Classroom)	Daycare Room 200 Restroom	Daycare Room 200 Restroom	yes	W1	Concrete	White	None	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	None	0	No	No	no	
2000	1	B200001-1	2	200A	Student Restrooms - Male/Female (Classroom)	Daycare Room 200 Restroom	Daycare Room 200 Restroom	yes	W2	Concrete	White	None	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	None	0	No	No	no	
2000	1	B200001-1	2	200A	Student Restrooms - Male/Female (Classroom)	Daycare Room 200 Restroom	Daycare Room 200 Restroom	yes	W3	Plaster	White	None	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	None	0	No	No	no	
2000	1	B200001-1	2	200A	Student Restrooms - Male/Female (Classroom)	Daycare Room 200 Restroom	Daycare Room 200 Restroom	yes	W4	Concrete	White	Cracking	10	0.02	Negative	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	None	0	No	No	no	
2000	1	B200001-1	2	200A	Student Restrooms - Male/Female (Classroom)	Daycare Room 200 Restroom	Daycare Room 200 Restroom	yes	Ceiling	Concrete	White	None	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	None	0	No	No	no	
2000	1	B200001-1	2	200A	Student Restrooms - Male/Female (Classroom)	Daycare Room 200 Restroom	Daycare Room 200 Restroom	yes	Floor	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	None	0	No	No	no	Ceramic Tiles
2000	1	B200001-1	2	201	Senior High	Daycare Room 201	Daycare Room 201	yes	W1	Concrete	White	None	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	None	0	No	No	no	
2000	1	B200001-1	2	201	Senior High	Daycare Room 201	Daycare Room 201	yes	W2	Concrete	White	None	0	N/A	N/A	N/A	N/A	N/A	N/A										



ULCS#	E l e m e n t	BldgEimt ID	F l o o r	Space #	Space Type	On-Site Room Name	Student/ Teacher Occupied (yes/no)	Primary Component	Substrate Material	Color	Description of Primary Damage	Primary Component Damage Quantity (sf)	XRF Reading (mg/cm2)	Primary Component XRF (positive/ negative)	Additional Component	Substrate Material	Color	Description of Paint and Plaster Damage	Additional Component Damage Quantity (sf)	XRF Reading (mg/cm2)	Additional Component XRF (positive/ negative)	Debris Present (describe location)	Quantity (sf)	Contents Need to be Moved	On-going Moisture Intrusion	Plastering Needed (yes or no)	Comments/ Description/ Notes
2000	1	B200001-1	2	205B	Student Restrooms - Male/Female (Classroom)	Daycare Suite 205 Restroom (Front)	yes	Ceiling	Plaster	White	None	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	None	0	No	No	no	
2000	1	B200001-1	2	205B	Student Restrooms - Male/Female (Classroom)	Daycare Suite 205 Restroom (Front)	yes	Floor	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	None	0	No	No	no	Floor Tiles
2000	1	B200001-1	2	205C	Student Restrooms - Male/Female (Classroom)	Daycare Suite 205 Restroom (Rear)	yes	W1	Concrete	White	None	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	None	0	No	No	no	
2000	1	B200001-1	2	205C	Student Restrooms - Male/Female (Classroom)	Daycare Suite 205 Restroom (Rear)	yes	W2	Sheetrock	White	Chipping	2	0.02	Negative	N/A	N/A	N/A	N/A	N/A	N/A	N/A	None	0	No	No	no	
2000	1	B200001-1	2	205C	Student Restrooms - Male/Female (Classroom)	Daycare Suite 205 Restroom (Rear)	yes	W3	Concrete	White	None	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	None	0	No	No	no	
2000	1	B200001-1	2	205C	Student Restrooms - Male/Female (Classroom)	Daycare Suite 205 Restroom (Rear)	yes	W4	Sheetrock	White	Chipping	4	0.02	Negative	N/A	N/A	N/A	N/A	N/A	N/A	N/A	None	0	No	No	no	
2000	1	B200001-1	2	205C	Student Restrooms - Male/Female (Classroom)	Daycare Suite 205 Restroom (Rear)	yes	Ceiling	Plaster	White	None	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	None	0	No	No	no	
2000	1	B200001-1	2	205C	Student Restrooms - Male/Female (Classroom)	Daycare Suite 205 Restroom (Rear)	yes	Floor	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	None	0	No	No	no	Floor Tiles
2000	1	B200001-1	2	204B	Storage	Hallway Storage adjacent to Daycare Room 204	yes	W1	Brick	White	None	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	None	0	No	No	no	
2000	1	B200001-1	2	204B	Storage	Hallway Storage adjacent to Daycare Room 204	yes	W2	Brick	White	None	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	None	0	No	No	no	
2000	1	B200001-1	2	204B	Storage	Hallway Storage adjacent to Daycare Room 204	yes	W3	Brick	White	None	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	None	0	No	No	no	
2000	1	B200001-1	2	204B	Storage	Hallway Storage adjacent to Daycare Room 204	yes	W4	Brick	White	None	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	None	0	No	No	no	
2000	1	B200001-1	2	204B	Storage	Hallway Storage adjacent to Daycare Room 204	yes	Ceiling	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	None	0	No	No	no	Ceiling Tiles
2000	1	B200001-1	2	204B	Storage	Hallway Storage adjacent to Daycare Room 204	yes	Floor	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	None	0	No	No	no	Floor Tiles
2000	1	B200001-1	1	H13	Circulation (Hallway)	Main Hallway along Broad Street	yes	W1	Concrete	White	Cracking	10	0.04	Negative	N/A	N/A	N/A	N/A	N/A	N/A	N/A	None	0	No	No	no	
2000	1	B200001-1	1	H13	Circulation (Hallway)	Main Hallway along Broad Street	yes	W2	Concrete	White	None	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	None	0	No	No	no	
2000	1	B200001-1	1	H13	Circulation (Hallway)	Main Hallway along Broad Street	yes	W3	Concrete	White	Cracking	8	0.02	Negative	N/A	N/A	N/A	N/A	N/A	N/A	N/A	None	0	No	No	no	
2000	1	B200001-1	1	H13	Circulation (Hallway)	Main Hallway along Broad Street	yes	W4	Concrete	White	None	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	None	0	No	No	no	
2000	1	B200001-1	1	H13	Circulation (Hallway)	Main Hallway along Broad Street	yes	Ceiling	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	None	0	No	No	no	Ceiling Tiles
2000	1	B200001-1	1	H13	Circulation (Hallway)	Main Hallway along Broad Street	yes	Floor	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	None	0	No	No	no	Floor Tiles
2000	1	B200001-1	1	S11	Stairs	Stairwell adjacent to Roster Office 100	yes	W1	Concrete	White	Cracking	4	0.02	Negative	N/A	N/A	N/A	N/A	N/A	N/A	N/A	None	0	No	No	no	
2000	1	B200001-1	1	S11	Stairs	Stairwell adjacent to Roster Office 100	yes	W2	Concrete	White	None	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	None	0	No	No	no	
2000	1	B200001-1	1	S11	Stairs	Stairwell adjacent to Roster Office 100	yes	W3	Concrete	White	Cracking	4	0.03	Negative	N/A	N/A	N/A	N/A	N/A	N/A	N/A	None	0	No	No	no	
2000	1	B200001-1	1	S11	Stairs	Stairwell adjacent to Roster Office 100	yes	W4	Concrete	White	Cracking	2	0.02	Negative	N/A	N/A	N/A	N/A	N/A	N/A	N/A	None	0	No	No	no	
2000	1	B200001-1	1	S11	Stairs	Stairwell adjacent to Roster Office 100	yes	Ceiling	Concrete	White	None	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	None	0	No	No	no	
2000	1	B200001-1	1	S11	Stairs	Stairwell adjacent to Roster Office 100	yes	Ceiling	N/A	N/A	N/A	N/A	N/A	N/A	Stair pan	Metal	Tan	Flaking	12	0.91	Positive	None	0	No	No	no	Underside of stairs
2000	1	B200001-1	1	S11	Stairs	Stairwell adjacent to Roster Office 100	yes	Floor	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	None	0	No	No	no	Floor Tiles
2000	1	B200001-1	1	S11	Stairs	Stairwell adjacent to Roster Office 100	yes	Floor	N/A	N/A	N/A	N/A	N/A	N/A	Stair stringer	Metal	Tan	Chipping	8	0.89	Positive	None	0	No	No	no	

**Appendix B. EPA Checklist Table**

Task ID	ULC#	Element #	Room #	Space # (on Floor Plan)	Space Type	On Site Room Name	Student/Teacher Occupied	Primary Component	Description of Paint and Plaster Damage - Primary Component	Primary Component NIE (positive/negative)	Additional Component	Description of Paint and Plaster Damage - Additional Component	Additional Component NIE (positive/negative)	Warning signs posted at entrance to work area	Work area contained to prevent spread of dust and debris	All objects in the work area removed or covered (interiors)	HVAC ducts in the work area closed and covered (interiors)	Windows in the work area closed (interiors)	Doors in the work area closed and sealed (interiors)	Doors that must be used in the work area covered to allow passage but prevent spread of dust	Floors in the work area covered with taped-down plastic (interiors)	Waste contained on-site and while being transported off-site	Work site properly cleaned after renovation	All chips and debris picked up, protective sheeting misted, folded dirty silt covered, and taped for removal	Light fixtures inspected (Y/N)	Surface above light fixtures inspected (Y/N)	Work area surfaces and objects cleaned using HEPA vacuum and/or wet cloths or sponges (interiors)	Certified renovator performed post-renovation cleaning verification	Describe the results of post-renovation cleaning verification, including the number of wet and dry cloths used	If dust clearance testing was performed, attach a copy of the report	I certify under penalty of law that the previous information is true and complete (owner and only)	Date signed	
1	2000	1	2	523	Stairs	Stairwell # 2 next to Classroom 205	yes	Ceiling	N/A	N/A	Stair pan	Flaking	Positive	Yes	Yes	N/A	N/A	N/A	N/A	Yes	Yes	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	40 RHP	Included with Catalog	Nicholas Velopis, Industrial Hygienist	8/26/19
2	2000	1	2	523	Stairs	Stairwell # 2 next to Classroom 205	yes	Floor	N/A	N/A	Stair riser	Flaking	Positive	Yes	Yes	N/A	N/A	N/A	N/A	Yes	Yes	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Included with Catalog	Nicholas Velopis, Industrial Hygienist	8/26/19	
3	2000	1	2	523	Stairs	Stairwell # 2 next to Classroom 205	yes	Floor	N/A	N/A	Stair stringer	Flaking	Positive	Yes	Yes	N/A	N/A	N/A	N/A	Yes	Yes	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Included with Catalog	Nicholas Velopis, Industrial Hygienist	8/26/19	
4	2000	1	2	526	Stairs	Stairwell adjacent to Classroom 200	yes	Ceiling	N/A	N/A	Stair pan	Flaking	Positive	Yes	Yes	N/A	N/A	N/A	N/A	Yes	Yes	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	35 RHP	Included with Catalog	Nicholas Velopis, Industrial Hygienist	9/5/19
5	2000	1	2	526	Stairs	Stairwell adjacent to Classroom 200	yes	Floor	N/A	N/A	Stair riser	Flaking	Positive	Yes	Yes	N/A	N/A	N/A	N/A	Yes	Yes	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Included with Catalog	Nicholas Velopis, Industrial Hygienist	9/5/19	
6	2000	1	2	526	Stairs	Stairwell adjacent to Classroom 200	yes	Floor	N/A	N/A	Stair stringer	Flaking	Positive	Yes	Yes	N/A	N/A	N/A	N/A	Yes	Yes	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Included with Catalog	Nicholas Velopis, Industrial Hygienist	9/5/19	
7	2000	1	1	511	Stairs	Stairwell adjacent to Foster Office 100	yes	Ceiling	N/A	N/A	Stair pan	Flaking	Positive	Yes	Yes	N/A	N/A	N/A	N/A	Yes	Yes	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	40 RHP	Included with Catalog	Nicholas Velopis, Industrial Hygienist	9/10/19
8	2000	1	1	511	Stairs	Stairwell adjacent to Foster Office 100	yes	Floor	N/A	N/A	Stair stringer	Chipping	Positive	Yes	Yes	N/A	N/A	N/A	N/A	Yes	Yes	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Included with Catalog	Nicholas Velopis, Industrial Hygienist	9/4/19	

**Appendix C. Oversight Table**

Task ID	ULCS#	E l e m e n t	F l o o r	Space # (on Floor Plan)	Space Type	On Site Room Name	Student/Teacher Occupied	Primary Component	Description of Paint and Plaster Damage - Primary Component	Primary Component XRF (positive/negative)	Additional Component	Description of Paint and Plaster Damage - Additional Component	Additional Component XRF (positive/negative)	Pre-Cleaning Completed (date)	Contents Moved (date)	Work Area Prepped (date)	Surfaces Stabilized (date)	Contents Back in Place (date)	Final Inspection Approval and Photos (date)	Square Footage of Work Area	Number of Required RRP Wipes	Number of Colorimetric Wipes Used to Pass	Final Colorimetric Wipe Submitted for AAS Analysis (yes/no)	AAS Analysis Results	Comments from Assessment	Comments from Oversight
1	2000	1	2	S23	Stairs	Stairwell # 2 next to Classroom 205	yes	Ceiling	N/A	N/A	Stair pan	Flaking	Positive	N/A	N/A	8/30/19	9/6/19	N/A	9/6/19	192	40	0	No	N/A	Underside of stairs	
2	2000	1	2	S23	Stairs	Stairwell # 2 next to Classroom 205	yes	Floor	N/A	N/A	Stair riser	Flaking	Positive	N/A	N/A	8/27/19	8/29/19	N/A	8/29/19	Included with Ceiling	Included with Ceiling	-	-	-		
3	2000	1	2	S23	Stairs	Stairwell # 2 next to Classroom 205	yes	Floor	N/A	N/A	Stair stringer	Flaking	Positive	N/A	N/A	8/27/19	8/29/19	N/A	8/29/19	Included with Ceiling	Included with Ceiling	-	-	-		
4	2000	1	2	S26	Stairs	Stairwell adjacent to Classroom 200	yes	Ceiling	N/A	N/A	Stair pan	Flaking	Positive	N/A	N/A	9/3/19	9/9/19	N/A	9/9/19	192	35	0	No	N/A		
5	2000	1	2	S26	Stairs	Stairwell adjacent to Classroom 200	yes	Floor	N/A	N/A	Stair riser	Flaking	Positive	N/A	N/A	8/29/19	9/5/19	N/A	9/5/19	Included with Ceiling	Included with Ceiling	-	-	-		
6	2000	1	2	S26	Stairs	Stairwell adjacent to Classroom 200	yes	Floor	N/A	N/A	Stair stringer	Flaking	Positive	N/A	N/A	8/29/19	9/5/19	N/A	9/5/19	Included with Ceiling	Included with Ceiling	-	-	-		
7	2000	1	1	S11	Stairs	Stairwell adjacent to Roster Office 100	yes	Ceiling	N/A	N/A	Stair pan	Flaking	Positive	N/A	N/A	9/5/19	9/10/19	N/A	9/10/19	192	40	0	No	N/A	Underside of stairs	
8	2000	1	1	S11	Stairs	Stairwell adjacent to Roster Office 100	yes	Floor	N/A	N/A	Stair stringer	Chipping	Positive	N/A	N/A	8/29/19	9/4/19	N/A	9/4/19	Included with Ceiling	Included with Ceiling	-	-	-		

## **Appendix D. Environmental Firm Certifications**



# United States Environmental Protection Agency

This is to certify that



The Vertex Companies, Inc.

has fulfilled the requirements of the Toxic Substances Control Act (TSCA) Section 402, and has received certification to conduct lead-based paint renovation, repair, and painting activities pursuant to 40 CFR Part 745.89

In the Jurisdiction of:

All EPA Administered States, Tribes, and Territories

This certification is valid from the date of issuance and expires March 20, 2024

NAT-F199670-1

Certification #

March 06, 2019

Issued On



Michelle Price, Chief

Lead, Heavy Metals, and Inorganics Branch

A handwritten signature in black ink, appearing to read "Michelle Price".

Name of Certified Contractor	Worker Name	US EPA RRP Training Provider (Firm/Individual)	US EPA RRP Certification Number	US EPA RRP Certification Expiration Date	Worker Trained on site (Yes/No)	Training Date	Comments
The Vertex Companies, Inc.	Nick Volpe	Access Training Services, Inc. / Mark Schlager	R-I-18846-18-00107	12/7/2023	No	12/7/2018	
The Vertex Companies, Inc.	Nick Volpe	Access Training Services, Inc. / Mark Schlager	D-I-18846-18-0056	11/14/2023	No	11/14/2018	Lead Dust Sampling Technician
The Vertex Companies, Inc.	Bernard Brunner	Access Training Services, Inc. / Mark Schlager	R-I-1846-18-00015	3/16/2023	No	3/16/2018	
The Vertex Companies, Inc.	Bernard Brunner	Access Training Services, Inc. / Mark Schlager	D-I-18846-18-0005	3/23/2023	No	3/23/2018	Lead Dust Sampling Technician
The Vertex Companies, Inc.	Paul Davis	Access Training Services/Mark Schlager	R-I-18846-18-00014	3/16/2023	No	3/16/2018	
The Vertex Companies, Inc.	Paul Davis	Access Training Services/Mark Schlager	D-I-18846-18-00017	3/23/2023	No	3/23/2018	Lead Dust Sampling Technician

## **Appendix E. Paint Contractor Certifications**

# United States Environmental Protection Agency

This is to certify that



School District of Philadelphia Office of Environmental  
Management Services

has fulfilled the requirements of the Toxic Substances Control Act (TSCA) Section 402, and has  
received certification to conduct lead-based paint renovation, repair, and painting activities pursuant  
to 40 CFR Part 745.89

In the Jurisdiction of:

All EPA Administered States, Tribes, and Territories

This certification is valid from the date of issuance and expires

June 11, 2020

NAT-50914-2

Certification #

April 06, 2015

Issued On



Michelle Price, Chief

Lead, Heavy Metals, and Inorganics Branch

A handwritten signature in black ink, appearing to read "Michelle Price".

## Comprehensive List of Philadelphia School District Employees with EPA RRP Training

First Name	Last Name	Course Description	Course End Date	Expiration Date
Kyle	Adami	EPA-Lead Renovator Refresher	09-Mar-15	09-Mar-20
Marcel	Allen	EPA-Lead Renovator Refresher	28-Apr-15	28-Apr-20
James	Archie	EPA-Lead Renovator Refresher	09-Mar-15	09-Mar-20
Demetrius	Atwell	EPA-Lead Renovator Initial	17-Nov-17	17-Nov-22
Samuel	Atwell	EPA-Lead Renovator Initial	17-Nov-17	17-Nov-22
Shawn	Baldwin	EPA-Lead Renovator Initial	01-Apr-15	01-Apr-20
Michael	Baranek	EPA-Lead Renovator Refresher	09-Mar-15	09-Mar-20
Chris	Bartella	EPA-Lead Renovator Refresher	21-May-15	21-May-20
Chris	Bendig	EPA-Lead Renovator Refresher	10-Mar-15	10-Mar-20
Michael	Bennett	EPA-Lead Renovator Refresher	09-Mar-15	09-Mar-20
Gino	Berardinucci	EPA-Lead Renovator Refresher	21-May-15	21-May-20
Jessica	Binda-Rischow	EPA-Lead Renovator Initial	20-Apr-18	20-Apr-23
Terrence	Blocker	EPA-Lead Renovator Initial	01-Apr-15	01-Apr-20
Damian	Boninfante	EPA-Lead Renovator Refresher	19-Mar-15	19-Mar-20
James	Borie	EPA-Lead Renovator Refresher	09-Mar-15	09-Mar-20
Joe	Bowes	EPA-Lead Renovator Refresher	09-Mar-15	09-Mar-20
Rhett	Boykins	EPA-Lead Renovator Initial	03-Nov-17	03-Nov-22
Robert	Broadnax	EPA-Lead Renovator Initial	20-Apr-18	20-Apr-23
Philip	Burton	EPA-Lead Renovator Refresher	02-Apr-15	02-Apr-20
Randy	Bushnell	EPA-Lead Renovator Refresher	02-Apr-15	02-Apr-20
Okang	Cambridge	EPA-Lead Renovator Initial	17-Nov-17	17-Nov-22
Michael	Cancelliere	EPA-Lead Renovator Refresher	10-Mar-15	10-Mar-20
Anthony	Carruth	EPA-Lead Renovator Refresher	09-Mar-15	09-Mar-20
Thomas	Casey	EPA-Lead Renovator Refresher	09-Mar-15	09-Mar-20
Gabrielle	Cecala	EPA-Lead Renovator Initial	17-Nov-17	17-Nov-22
Anthony	Cecala	EPA-Lead Renovator Refresher	19-Mar-15	19-Mar-20
Brian	Chambers	EPA-Lead Renovator Refresher	09-Mar-15	09-Mar-20
Suzette	Christian	EPA-Lead Renovator Initial	17-Nov-17	17-Nov-22
Rich	Ciuckis	EPA-Lead Renovator Refresher	09-Mar-15	09-Mar-20
Michael	Clark	EPA-Lead Renovator Initial	01-Apr-15	01-Apr-20
Harold	Clark, Jr.	EPA-Lead Renovator Refresher	09-Mar-15	09-Mar-20
Joseph	Clemson	EPA-Lead Renovator Refresher	09-Mar-15	09-Mar-20
Brian	Cook	EPA-Lead Renovator Refresher	09-Mar-15	09-Mar-20
Jeff	Cook	EPA-Lead Renovator Refresher	09-Mar-15	09-Mar-20
Kevin	Courtney	EPA-Lead Renovator Initial	20-Apr-18	20-Apr-23
Jahmai	Crawley	EPA-Lead Renovator Initial	03-Nov-17	03-Nov-22
Timothy	Creighton	EPA-Lead Renovator Initial	17-Nov-17	17-Nov-22
Steven	Creighton	EPA-Lead Renovator Refresher	10-Mar-15	10-Mar-20
Joe	Curran	EPA-Lead Renovator Refresher	10-Mar-15	10-Mar-20
Kevin	Curry	EPA-Lead Renovator Refresher	28-Apr-15	28-Apr-20
Demetrius	Dancey	EPA-Lead Renovator Initial	01-Apr-15	01-Apr-20

Fran	Davis	EPA-Lead Renovator Refresher	19-Mar-15	19-Mar-20
James	Davis (diff emp.)	EPA-Lead Renovator Refresher	19-Mar-15	19-Mar-20
Edmund	Davis, Jr.	EPA-Lead Renovator Initial	20-Mar-18	20-Mar-23
Anthony	Devlin	EPA-Lead Renovator Refresher	02-Apr-15	02-Apr-20
Ken	Dickson	EPA-Lead Renovator Initial	11-Aug-14	11-Aug-19
Mark	DiGiambattista	EPA-Lead Renovator Initial	01-Apr-15	01-Apr-20
Steve	Dolan	EPA-Lead Renovator Refresher	19-Mar-15	19-Mar-20
Stephen	DuBan	EPA-Lead Renovator Refresher	20-Mar-15	20-Mar-20
James	Dugan	EPA-Lead Renovator Refresher	19-Mar-15	19-Mar-20
Mark	Dugan	EPA-Lead Renovator Refresher	09-Mar-15	09-Mar-20
Donald	Eife	EPA-Lead Renovator Refresher	19-Mar-15	19-Mar-20
George	Faccenda	EPA-Lead Renovator Refresher	20-Mar-15	20-Mar-20
Anthony	Fiore	EPA-Lead Renovator Refresher	09-Mar-15	09-Mar-20
Bill	Flanigan	EPA-Lead Renovator Refresher	10-Mar-15	10-Mar-20
Michael	Flannery Sr.	EPA-Lead Renovator Refresher	09-Mar-15	09-Mar-20
Joseph	Flannery, Jr.	EPA-Lead Renovator Initial	20-Apr-18	20-Apr-23
David	Foster	EPA-Lead Renovator Refresher	10-Mar-15	10-Mar-20
Anthony	Gajdowski	EPA-Lead Renovator Initial	30-Jul-14	30-Jul-19
Joseph	Gallagher	EPA-Lead Renovator Refresher	10-Mar-15	10-Mar-20
Stephen	Gallagher	EPA-Lead Renovator Initial	11-Aug-14	11-Aug-19
Harold	Ganskopp, Jr.	EPA-Lead Renovator Refresher	09-Mar-15	09-Mar-20
Ralph	Garcia	EPA-Lead Renovator Refresher	19-Mar-15	19-Mar-20
James	Garofolo	EPA-Lead Renovator Refresher	10-Mar-15	10-Mar-20
John	Genovese	EPA-Lead Renovator Refresher	10-Mar-15	10-Mar-20
Joe	George	EPA-Lead Renovator Initial	20-Apr-18	20-Apr-23
Thomas	Gibson	EPA-Lead Renovator Refresher	10-Mar-15	10-Mar-20
John	Gidzinski	EPA-Lead Renovator Initial	01-Apr-15	01-Apr-20
James	Gillice	EPA-Lead Renovator Refresher	09-Mar-15	09-Mar-20
Melvin	Goins	EPA-Lead Renovator Initial	17-Nov-17	17-Nov-22
Damon	Gonzaga	EPA-Lead Renovator Initial	11-Aug-14	11-Aug-19
Raynaldo	Gonzalez	EPA-Lead Renovator Initial	17-Nov-17	17-Nov-22
John	Gordon	EPA-Lead Renovator Initial	01-Apr-15	01-Apr-20
Frank	Gosciminski	EPA-Lead Renovator Refresher	19-Mar-15	19-Mar-20
Kwamie	Grove	EPA-Lead Renovator Initial	11-Aug-14	11-Aug-19
Ron	Hackimer	EPA-Lead Renovator Refresher	10-Mar-15	10-Mar-20
Richard	Hagenbuch	EPA-Lead Renovator Refresher	19-Mar-15	19-Mar-20
James	Hall	EPA-Lead Renovator Initial	11-Jul-18	11-Jul-23
David	Hampton Jr.	EPA-Lead Renovator Refresher	21-May-15	21-May-20
Gerard	Harkins	EPA-Lead Renovator Refresher	02-Apr-15	02-Apr-20
Erica	Hickey	EPA-Lead Renovator Initial	20-Mar-18	3/20/2023
Wayne	Hogeland	EPA-Lead Renovator Refresher	19-Mar-15	19-Mar-20
Timothy	Holman	EPA-Lead Renovator Refresher	19-Mar-15	19-Mar-20
Durelle	Holmes	EPA-Lead Renovator Initial	20-Mar-18	20-Mar-23
Richard	Houck	EPA-Lead Renovator Refresher	10-Mar-15	10-Mar-20

Alfred	Howard	EPA-Lead Renovator Initial	20-Mar-18	20-Mar-23
Wayne	Howard	EPA-Lead Renovator Initial	01-Apr-15	01-Apr-20
Timothy	Humes	EPA-Lead Renovator Refresher	19-Mar-15	19-Mar-20
Lance	Jackson	EPA-Lead Renovator Refresher	10-Mar-15	10-Mar-20
Eric	Johnson	EPA-Lead Renovator Refresher	28-Apr-15	28-Apr-20
James	Johnson	EPA-Lead Renovator Refresher	19-Mar-15	19-Mar-20
Jimmie	Johnson	EPA-Lead Renovator Refresher	19-Mar-15	19-Mar-20
Walter	Johnson	EPA-Lead Renovator Refresher	19-Mar-15	19-Mar-20
Donald	Johnson Jr.	EPA-Lead Renovator Refresher	19-Mar-15	19-Mar-20
Jesse	Jones	EPA-Lead Renovator Initial	11-Aug-14	11-Aug-19
Gerald	Joniec	EPA-Lead Renovator Refresher	21-May-15	21-May-20
Brian	Joseph	EPA-Lead Renovator Refresher	28-Apr-15	28-Apr-20
Anthony	Jubilee	EPA-Lead Renovator Refresher	19-Mar-15	19-Mar-20
Gerald	Junod	EPA-Lead Renovator Refresher	28-Apr-15	28-Apr-20
Joe	Kehoe	EPA-Lead Renovator Initial	01-Apr-15	01-Apr-20
John	Kenney	EPA-Lead Renovator Refresher	19-Mar-15	19-Mar-20
Mary	Koehler	EPA-Lead Renovator Refresher	02-Apr-15	02-Apr-20
Richard	Kovacs	EPA-Lead Renovator Initial	20-Apr-18	20-Apr-23
John	Krol	EPA-Lead Renovator Refresher	19-Mar-15	19-Mar-20
Michael	Leone	EPA-Lead Renovator Refresher	02-Apr-15	02-Apr-20
George	Leone	EPA-Lead Renovator Initial	11-Aug-14	11-Aug-19
Richard	Lepore	EPA-Lead Renovator Initial	20-Apr-18	20-Apr-23
Walter	Lipski	EPA-Lead Renovator Refresher	19-Mar-15	19-Mar-20
David	Loftus	EPA-Lead Renovator Refresher	09-Mar-15	09-Mar-20
Eloy	Lopez Jr.	EPA-Lead Renovator Refresher	20-Mar-15	20-Mar-20
Augustus	Lover, III	EPA-Lead Renovator Initial	20-Apr-18	20-Apr-23
Michael	Lowe	EPA-Lead Renovator Refresher	21-May-15	21-May-20
Harry	Lowe, Jr.	EPA-Lead Renovator Initial	20-Apr-18	20-Apr-23
Kenneth	Mack	EPA-Lead Renovator Initial	01-Apr-15	01-Apr-20
Thomas	Malkowski	EPA-Lead Renovator Refresher	10-Mar-15	10-Mar-20
Thomas	Malkowski, Jr.	EPA-Lead Renovator Initial	03-Nov-17	03-Nov-22
Kevin	Malone	EPA-Lead Renovator Refresher	19-Mar-15	19-Mar-20
Dante	Mancini	EPA-Lead Renovator Refresher	28-Apr-15	28-Apr-20
Stephen	Manna	EPA-Lead Renovator Initial	20-Apr-18	20-Apr-23
Charles	Markey	EPA-Lead Renovator Refresher	19-Mar-15	19-Mar-20
Derrick	Matthews	EPA-Lead Renovator Initial	01-Apr-15	01-Apr-20
Benedict	Matthews	EPA-Lead Renovator Refresher	20-Mar-15	20-Mar-20
Kevin	McAfee	EPA-Lead Renovator Initial	30-Jul-14	30-Jul-19
Gerard	McAnena	EPA-Lead Renovator Refresher	19-Mar-15	19-Mar-20
Jim	McBride	EPA-Lead Renovator Refresher	19-Mar-15	19-Mar-20
John	McFarlane	EPA-Lead Renovator Refresher	10-Mar-15	10-Mar-20
Mikkel	McKinnie	EPA-Lead Renovator Initial	01-Apr-15	01-Apr-20
Patrick	McMahon	EPA-Lead Renovator Refresher	02-Apr-15	02-Apr-20
Pat	McMahon	EPA-Lead Renovator Initial	11-Aug-14	11-Aug-19



Matthew	Melady	EPA-Lead Renovator Refresher	28-Apr-15	28-Apr-20
Joe	Mellina Jr.	EPA-Lead Renovator Refresher	19-Mar-15	19-Mar-20
Harry	Milbourne	EPA-Lead Renovator Initial	30-Jul-14	30-Jul-19
Christopher	Moore	EPA-Lead Renovator Refresher	19-Mar-15	19-Mar-20
Mike	Moore	EPA-Lead Renovator Refresher	10-Mar-15	10-Mar-20
Mike	Moore	EPA-Lead Renovator Refresher	10-Mar-15	10-Mar-20
Earl	Morris	EPA-Lead Renovator Refresher	20-Mar-15	20-Mar-20
William	Muller	EPA-Lead Renovator Refresher	20-Mar-15	20-Mar-20
Jorge	Naveiro	EPA-Lead Renovator Initial	17-Nov-17	17-Nov-22
Richard	Nedorost	EPA-Lead Renovator Refresher	10-Mar-15	10-Mar-20
Ernest	Neven	EPA-Lead Renovator Initial	20-Mar-18	20-Mar-23
Scott	Ovington	EPA-Lead Renovator Refresher	28-Apr-15	28-Apr-20
Benjamin	Pak	EPA-Lead Renovator Initial	20-Apr-18	20-Apr-23
Vernon	Palmer	EPA-Lead Renovator Initial	01-Apr-15	01-Apr-20
Derek	Parker	EPA-Lead Renovator Refresher	20-Mar-15	20-Mar-20
Percy	Payno	EPA-Lead Renovator Initial	01-Apr-15	01-Apr-20
Jose	Perez	EPA-Lead Renovator Refresher	20-Mar-15	20-Mar-20
Edward	Perks	EPA-Lead Renovator Refresher	09-Mar-15	09-Mar-20
Salvatore	Perrone	EPA-Lead Renovator Refresher	20-Mar-15	20-Mar-20
John	Pilotti	EPA-Lead Renovator Refresher	10-Mar-15	10-Mar-20
Alfred	Pizzo	EPA-Lead Renovator Initial	20-Apr-18	20-Apr-23
James	Pizzo	EPA-Lead Renovator Initial	20-Mar-18	20-Mar-23
Ernest	Purvis	EPA-Lead Renovator Refresher	10-Mar-15	10-Mar-20
Kevin	Quigley	EPA-Lead Renovator Refresher	10-Mar-15	10-Mar-20
Luke	Quinn	EPA-Lead Renovator Refresher	20-Mar-15	20-Mar-20
Fred	Raskay	EPA-Lead Renovator Initial	20-Apr-18	20-Apr-23
Frank	Ratka, II	EPA-Lead Renovator Initial	20-Apr-18	20-Apr-23
Pat	Raynor	EPA-Lead Renovator Refresher	19-Mar-15	19-Mar-20
Jim	Reick	EPA-Lead Renovator Refresher	10-Mar-15	10-Mar-20
Michael	Reilly	EPA-Lead Renovator Refresher	10-Mar-15	10-Mar-20
Eric	Ricchezza	EPA-Lead Renovator Refresher	10-Mar-15	10-Mar-20
Shawn	Robinson	EPA-Lead Renovator Initial	01-Apr-15	01-Apr-20
Joseph	Ryan	EPA-Lead Renovator Refresher	10-Mar-15	10-Mar-20
Salvatore	Sansone	EPA-Lead Renovator Refresher	20-Mar-15	20-Mar-20
William	Savage	EPA-Lead Renovator Initial	20-Mar-18	20-Mar-23
Bruce	Savage	EPA-Lead Renovator Refresher	10-Mar-15	10-Mar-20
Ricky	Scarborough, Sr.	EPA-Lead Renovator Refresher	09-Mar-15	09-Mar-20
Jeff	Schillig	EPA-Lead Renovator Refresher	20-Mar-15	20-Mar-20
Steven	Schmidt	EPA-Lead Renovator Refresher	02-Apr-15	02-Apr-20
Harry	Schmitt	EPA-Lead Renovator Refresher	19-Mar-15	19-Mar-20
Jeff	Scott	EPA-Lead Renovator Refresher	19-Mar-15	19-Mar-20
Tom	Sharer	EPA-Lead Renovator Refresher	20-Mar-15	20-Mar-20
David	Sienko	EPA-Lead Renovator Initial	17-Nov-17	17-Nov-22
Frank	Sienko	EPA-Lead Renovator Refresher	02-Apr-15	02-Apr-20



Gregory	Smith	EPA-Lead Renovator Refresher	19-Mar-15	19-Mar-20
William	Soda	EPA-Lead Renovator Initial	20-Apr-18	20-Apr-23
Raymond	Solley	EPA-Lead Renovator Refresher	20-Mar-15	20-Mar-20
Lukose	Solomon	EPA-Lead Renovator Refresher	21-May-15	21-May-20
Joseph	Stewart	EPA-Lead Renovator Refresher	21-May-15	21-May-20
Frank	Stramitis	EPA-Lead Renovator Refresher	10-Mar-15	10-Mar-20
Mario	Tamborello	EPA-Lead Renovator Initial	11-Aug-14	11-Aug-19
Christopher	Taylor	EPA-Lead Renovator Initial	30-Jul-14	30-Jul-19
Harry	Thomson	EPA-Lead Renovator Refresher	09-Mar-15	09-Mar-20
Ray	Tierney	EPA-Lead Renovator Refresher	02-Apr-15	02-Apr-20
Vincent	Tonelli	EPA-Lead Renovator Initial	17-Nov-17	17-Nov-22
Vincent	Trasatti	EPA-Lead Renovator Initial	20-Apr-18	20-Apr-23
Richard	Tremonte	EPA-Lead Renovator Refresher	20-Mar-15	20-Mar-20
Nicholas	Umile	EPA-Lead Renovator Initial	17-Nov-17	17-Nov-22
Gerald	Watson	EPA-Lead Renovator Refresher	19-Mar-15	19-Mar-20
Tim	Weicker	EPA-Lead Renovator Initial	20-Apr-18	20-Apr-23
Stephen	Weiss	EPA-Lead Renovator Initial	17-Nov-17	17-Nov-22
George	Weissman	EPA-Lead Renovator Initial	17-Nov-17	17-Nov-22
Lee	White, II	EPA-Lead Renovator Initial	20-Apr-18	20-Apr-23
William	Wilson	EPA-Lead Renovator Refresher	09-Mar-15	09-Mar-20
Timothy	Witczak	EPA-Lead Renovator Refresher	09-Mar-15	09-Mar-20
Denice	Witkowski	EPA-Lead Renovator Initial	17-Nov-17	17-Nov-22
Robert	Yerkov	EPA-Lead Renovator Refresher	10-Mar-15	10-Mar-20
Tim	Yust	EPA-Lead Renovator Refresher	10-Mar-15	10-Mar-20
Eric	Zeoli	EPA-Lead Renovator Refresher	10-Mar-15	10-Mar-20

First Name	Last Name	Course Description	Course Date
Anthony	Gajdowski	EPA-Lead Renovator Initial	3/11/2020
Kevin	McAfee	EPA-Lead Renovator Initial	3/11/2020
Jesse	Jones	EPA-Lead Renovator Initial	3/11/2020
Edward	Stein	EPA-Lead Renovator Initial	3/11/2020
Season	Hall	EPA-Lead Renovator Initial	3/11/2020
Benjamin	Amodei	EPA-Lead Renovator Initial	3/11/2020
Jamel	Haggins	EPA-Lead Renovator Initial	3/11/2020
Gregory	Schmitt	EPA-Lead Renovator Initial	3/11/2020
Sean	Donahue	EPA-Lead Renovator Initial	3/11/2020
Sean	Flannery	EPA-Lead Renovator Initial	3/11/2020
Gordon	White	EPA-Lead Renovator Initial	3/11/2020
Ricardo	Tomlinson	EPA-Lead Renovator Initial	3/11/2020
Christopher	Stackhouse	EPA-Lead Renovator Initial	3/11/2020
Matthew	Phillips	EPA-Lead Renovator Initial	3/11/2020
Jonathan	Byram	EPA-Lead Renovator Initial	3/11/2020
Harry	Lowe III	EPA-Lead Renovator Initial	3/11/2020
Paul	Bady	EPA-Lead Renovator Initial	3/11/2020
Vincent	Finn	EPA-Lead Renovator Initial	3/11/2020
Tyler	Sloan	EPA-Lead Renovator Initial	3/11/2020
Henry	Gill	EPA-Lead Renovator Refresher	3/11/2020
Kyle	Adami	EPA-Lead Renovator Refresher	3/2/2020
James	Archie	EPA-Lead Renovator Refresher	3/2/2020
James	Borie	EPA-Lead Renovator Refresher	3/2/2020
Anthony	Carruth	EPA-Lead Renovator Refresher	3/2/2020
Brian	Chambers	EPA-Lead Renovator Refresher	3/2/2020
Harry	Thomson	EPA-Lead Renovator Refresher	3/2/2020
David	Loftus	EPA-Lead Renovator Refresher	3/2/2020
Michael	Bennett	EPA-Lead Renovator Refresher	3/2/2020
Mark	Dugan	EPA-Lead Renovator Refresher	3/2/2020
Timothy	Witczak	EPA-Lead Renovator Refresher	3/2/2020
Michael	Flannery Sr.	EPA-Lead Renovator Refresher	3/2/2020
Thomas	Casey	EPA-Lead Renovator Refresher	3/2/2020
Harold	Clark, Jr.	EPA-Lead Renovator Refresher	3/2/2020
Michael	Baranek	EPA-Lead Renovator Refresher	3/2/2020
Chris	Bendig	EPA-Lead Renovator Refresher	3/4/2020
Steven	Creighton	EPA-Lead Renovator Refresher	3/4/2020
Joe	Curran	EPA-Lead Renovator Refresher	3/4/2020
Richard	Nedorost	EPA-Lead Renovator Refresher	3/4/2020
Robert	Yerkov	EPA-Lead Renovator Refresher	3/4/2020
Tim	Yust	EPA-Lead Renovator Refresher	3/4/2020
John	Genovese	EPA-Lead Renovator Refresher	3/4/2020
Bill	Flanigan	EPA-Lead Renovator Refresher	3/4/2020
Damian	Boninfante	EPA-Lead Renovator Refresher	3/4/2020

Fran	Davis	EPA-Lead Renovator Refresher	3/4/2020
Lance	Jackson	EPA-Lead Renovator Refresher	3/4/2020
Eric	Zeoli	EPA-Lead Renovator Refresher	3/4/2020
Michael	Cancelliere	EPA-Lead Renovator Refresher	3/4/2020
David	Foster	EPA-Lead Renovator Refresher	3/4/2020
Steve	Dolan	EPA-Lead Renovator Refresher	3/4/2020
Mike	Moore	EPA-Lead Renovator Refresher	3/4/2020
Kevin	Quigley	EPA-Lead Renovator Refresher	3/4/2020
Eric	Ricchezza	EPA-Lead Renovator Refresher	3/4/2020
Joseph	Ryan	EPA-Lead Renovator Refresher	3/4/2020
Michael	Reilly	EPA-Lead Renovator Refresher	3/4/2020
Thomas	Malkowski	EPA-Lead Renovator Refresher	3/4/2020
Bruce	Savage	EPA-Lead Renovator Refresher	3/4/2020
Stephen	DuBan	EPA-Lead Renovator Refresher	3/9/2020
Richard	Hagenbuch	EPA-Lead Renovator Refresher	3/9/2020
Wayne	Hogeland	EPA-Lead Renovator Refresher	3/9/2020
Timothy	Humes	EPA-Lead Renovator Refresher	3/9/2020
Jimmie	Johnson	EPA-Lead Renovator Refresher	3/9/2020
John	Krol	EPA-Lead Renovator Refresher	3/9/2020
William	Muller	EPA-Lead Renovator Refresher	3/9/2020
Salvatore	Perrone	EPA-Lead Renovator Refresher	3/9/2020
Salvatore	Sansone	EPA-Lead Renovator Refresher	3/9/2020
Jeff	Schillig	EPA-Lead Renovator Refresher	3/9/2020
Raymond	Solley	EPA-Lead Renovator Refresher	3/9/2020
Richard	Tremonte	EPA-Lead Renovator Refresher	3/9/2020
George	Faccenda	EPA-Lead Renovator Refresher	3/9/2020
Jim	McBride	EPA-Lead Renovator Refresher	3/9/2020
Earl	Morris	EPA-Lead Renovator Refresher	3/9/2020
Gerald	Watson	EPA-Lead Renovator Refresher	3/9/2020
Jeff	Scott	EPA-Lead Renovator Refresher	3/9/2020
Walter	Johnson	EPA-Lead Renovator Refresher	3/9/2020
Benedict	Matthews	EPA-Lead Renovator Refresher	3/9/2020
Timothy	Holman	EPA-Lead Renovator Refresher	3/9/2020
Derek	Parker	EPA-Lead Renovator Refresher	3/9/2020
Tom	Sharer	EPA-Lead Renovator Refresher	3/9/2020
James	Dugan	EPA-Lead Renovator Refresher	3/9/2020
Donald	Eife	EPA-Lead Renovator Refresher	3/9/2020
Ralph	Garcia	EPA-Lead Renovator Refresher	3/9/2020
Joe	Mellina Jr.	EPA-Lead Renovator Refresher	3/9/2020
Pat	Raynor	EPA-Lead Renovator Refresher	3/9/2020
Gregory	Smith	EPA-Lead Renovator Refresher	3/9/2020
Chris	Bartella	EPA-Lead Renovator Refresher	3/18/2020
David	Hampton Jr.	EPA-Lead Renovator Refresher	3/18/2020
Gino	Berardinucci	EPA-Lead Renovator Refresher	3/18/2020

Wayne	Howard	EPA-Lead Renovator Refresher	3/18/2020
Joe	Kehoe	EPA-Lead Renovator Refresher	3/18/2020
Brian	Joseph	EPA-Lead Renovator Refresher	3/18/2020
Joseph	Stewart	EPA-Lead Renovator Refresher	3/18/2020
Marcel	Allen	EPA-Lead Renovator Refresher	3/18/2020
Shawn	Baldwin	EPA-Lead Renovator Refresher	3/18/2020
Terrence	Blocker	EPA-Lead Renovator Refresher	3/18/2020
Randy	Bushnell	EPA-Lead Renovator Refresher	3/18/2020
Michael	Clark	EPA-Lead Renovator Refresher	3/18/2020
Kevin	Curry	EPA-Lead Renovator Refresher	3/18/2020
Demetrius	Dancey	EPA-Lead Renovator Refresher	3/18/2020
Anthony	Devlin	EPA-Lead Renovator Refresher	3/18/2020
Mark	DiGiambattista	EPA-Lead Renovator Refresher	3/18/2020
Gerard	Harkins	EPA-Lead Renovator Refresher	3/18/2020
Mary	Koehler	EPA-Lead Renovator Refresher	3/18/2020
Michael	Leone	EPA-Lead Renovator Refresher	3/18/2020
Kenneth	Mack	EPA-Lead Renovator Refresher	3/18/2020
Derrick	Matthews	EPA-Lead Renovator Refresher	3/18/2020
Vernon	Palmer	EPA-Lead Renovator Refresher	3/18/2020
Shawn	Robinson	EPA-Lead Renovator Refresher	3/18/2020
Gerald	Joniec	EPA-Lead Renovator Refresher	3/18/2020
Michael	Lowe	EPA-Lead Renovator Refresher	3/18/2020
Frank	Sienko	EPA-Lead Renovator Refresher	3/18/2020
Philip	Burton	EPA-Lead Renovator Refresher	currently Long Term Illness
Thomas	Gibson	EPA-Lead Renovator Refresher	currently Long Term Illness