

Pittsburgh VAMC Comprehensive Airflow Testing Services Statement of Work Revised July 6, 2018

- I. The VA Pittsburgh Healthcare System (VAPHS) has a requirement for all labor, tools, supervision, material, parts, equipment, and transportation necessary to provide comprehensive airflow testing services at our Oakland Division, located at University Drive C, Pittsburgh, PA 15240.
- II. **Monthly** testing schedule and rooms are as follows:
- a. Twelve (12) Operating Rooms, One (1) Procedure Room (OR Standards), Twenty-One (21) TB Isolation Rooms, Nine (9) Scrub/Anterooms, Two (2) Decon Rooms, Three (3) Sterile Prep Rooms, Two (2) Sterile Storage Rooms, Three (3) Cardiac Cath Labs, Three (3) Morgue Autopsy Rooms, and Nine (9) Ambulatory Surgery Procedure Rooms in Building 1. The testing shall include measurement of supply air, exhaust air, temperature, relative humidity, and positive/negative pressure determination. Air changes per hour shall be calculated.

Regulation Air Changes are as follows:

<u>ROOM</u>	<u>DESCRIPTION</u>	<u>REGULATION</u>
OR1, OR2, OR3, OR4, OR5, OR6, OR7, OR8, OR9, 3W232 (OR10), 3A211, 3A212	Operating Rooms	20 Air Changes/Positive
3W219	Procedure Room (OR Standards)	20 Air Changes/Positive
1NW103, 3A117, 3A121, 3A147, 3A149, 3A150, 3A152, 3E118, 3E133, 3N239, 4E102, 4E104, 4W113, 4W115, 4W116, 4W138, 5A107, 5W113, 5W115, 5W116, 5W138	TB Isolation Rooms	12 Air Changes/Negative
3A148, 3A151, 3A179, 3A180, 3A190, 3A197, 3A199, 3A206, 5A106	Scrub/Ante Rooms	10 Air Changes/Negative
AA117, 3W218	Decon Rooms	6 Air Changes/Negative
AA122, 2A214, 3W215	Sterile Prep Rooms	4 Air Changes/Positive
AA103/106, 3A201	Sterile Storage	4 Air Changes/Positive
4N113, 4N114, 4N115	Cardiac Cath Labs	20 Air Changes/Positive
BN201, BN202, BN206	Morgue Autopsy Rooms	12 Air Changes/Negative
3W201, 3W211, 3W220, 3W231, 3W233, 3W234, 3W235, 3W236, 3W237	Ambulatory Surgery Unit (ASU) Procedure Rooms	12 Air Changes/Negative

Regulation Air Temperatures:

OR'S, Decon Rooms, Sterile Prep Rooms and Sterile Storage – 66 to 72 degrees F

Regulation Humidity Ranges:

OR'S, Decon Rooms, Sterile Prep Rooms, and Sterile Storage – 20% to 60%

**OPERATING ROOM (OR) MEASUREMENTS SHALL BE TAKEN IN ACCORDANCE WITH THE
OPERATING ROOM (OR) SCHEDULES. TESTING SHALL BE COORDINATED WITH THE
Contracting Officer's Representative (COR) AHEAD OF TIME.**

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III. **Semi-annual** testing schedule and rooms are as follows:

- a. Testing shall be performed in the months of **December** and **June** in Thirty-Three (33) Animal Research Laboratory Rooms in **Building 6**. The testing shall include measurement of supply air, exhaust air, temperature, relative humidity and positive/negative pressure determination. Air changes per hour shall be calculated.

Regulation Air Changes are as follows:

<u>ROOM #</u>	<u>DESCRIPTION</u>	<u>REGULATION</u>
GA101	Dirty Cage Wash	15 Air Changes/Negative
GA102	Animal Holding	15 Air Changes/Positive
GA103	Animal Holding	15 Air Changes/Positive
GA104	Animal Holding	15 Air Changes/Positive
GA109	Office	15 Air Changes/Positive
GA110	Supply Room	15 Air Changes/Negative
GA111	Autoclave	15 Air Changes/Negative
GA112	Tank Storage	15 Air Changes/Negative
GA115	Procedure Room	15 Air Changes/Positive
GA117	Lunch Room	15 Air Changes/Positive
GA119	Procedure Room	15 Air Changes/Negative
GA123	Animal Holding	15 Air Changes/Positive
GA124	Animal Holding	15 Air Changes/Positive
GA127	Animal Holding	15 Air Changes/Positive
GA128	Animal Holding	15 Air Changes/Positive
GA130	Animal Holding	15 Air Changes/Positive
GA131	General Storage	15 Air Changes/Negative
GA140	Feed and Bedding	15 Air Changes/Positive
GA141	Store Room	15 Air Changes/Negative
GA142	Animal Holding	15 Air Changes/Positive
GA143	Animal Holding	15 Air Changes/Positive
GA144	Animal Holding	15 Air Changes/Positive
GA145	Diet/Procedure	15 Air Changes/Positive
GA146	Procedure Room	15 Air Changes/Negative
GA147	Operating Room	15 Air Changes/Positive
GA148	Operating Room	15 Air Changes/Positive
GA149	Scrub Area	15 Air Changes/Negative
GA149A	Store Room	15 Air Changes/Positive

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GA150	Procedure Room	15 Air Changes/Negative
GA151	Office	15 Air Changes/Neutral
GA152	Animal Holding	15 Air Changes/Positive
GA153	Animal Holding	15 Air Changes/Positive
GA154	Clean Cage Wash	15 Air Changes/Positive

- b. Testing shall be performed in the months of **December** and **June** in Thirty-One (31) Clinical Laboratory Rooms in **Building 1**. The testing shall include measurement of supply air, exhaust air, temperature, relative humidity and positive/negative pressure determination. Air changes per hour shall be calculated.

Regulation Air Changes are 6 per hour/negative airflow:

<u>ROOM #</u>	<u>DEPARTMENT DESCRIPTION</u>
10E115	Clinical Lab - ancillary testing
2E143	Anatomic Path Lab - molecular
2NE100	Clinical Lab - ancillary testing
2NE105	Clinical Lab - blood bank
2NE108	Anatomic Path Lab - block and slide storage
2NE112	Anatomic Path Lab - cytology
2NE113	Anatomic Path Lab - molecular lab
2NE116	Anatomic Path Lab - gross room
2NE117	Anatomic Path Lab - histo lab
2NE118	Anatomic Path Lab - histo lab
2NE119	Anatomic Path Lab - histo lab
2NE128	Anatomic Path Lab - cytology
2NW101	Clinical Lab - automated
2NW102	Clinical Lab Supplies
2NW103	Clinical Lab - molecular
2NW104	Clinical Lab - molecular
2NW106	Clinical Lab - micro
2NW107	Clinical Lab - micro
2NW107a	Clinical Lab - micro
2NW107b	Clinical Lab - micro
2NW108	Clinical Lab - micro
2NW110	Clinical Lab - micro
2NW111	Clinical Lab - micro
2NW117	Electrical Closet
2NW120	Clinical Lab - immuno
2W168	Clinical Lab - molecular
2W168b	Clinical Lab - molecular
2W171	Clinical Lab - molecular

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2W173	Clinical Lab - molecular
2W174	Clinical Lab - molecular
3N115	Frozen Section Room

IV. **Quarterly** testing schedule and rooms are as follows:

- a. Testing shall be performed in the months of **December, March, June and September** in Sixteen (16) Soiled Utility Rooms in **Building 1**. The testing shall include measurement of supply air, exhaust air, temperature, relative humidity and positive/negative pressure determination. Air changes per hour shall be calculated.

2A218	Soiled Utility	6 Air Changes	Negative	66°F - 72°F	20% - 60%
2NW118	Biohazardous Waste	6 Air Changes	Negative	66°F - 72°F	20% - 60%
3A153	Soiled Utility	6 Air Changes	Negative	66°F - 72°F	20% - 60%
3E102	Soiled Utility	6 Air Changes	Negative	66°F - 72°F	20% - 60%
3E120	Soiled Utility	6 Air Changes	Negative	66°F - 72°F	20% - 60%
3W228	Soiled Utility	6 Air Changes	Negative	66°F - 72°F	20% - 60%
4E100	Soiled Utility	6 Air Changes	Negative	66°F - 72°F	20% - 60%
4N119	Soiled Utility	6 Air Changes	Negative	66°F - 72°F	20% - 60%
4N138	Soiled Utility	6 Air Changes	Negative	66°F - 72°F	20% - 60%
4W150	Soiled Utility	6 Air Changes	Negative	66°F - 72°F	20% - 60%
5W150	Soiled Utility	6 Air Changes	Negative	66°F - 72°F	20% - 60%
6W150	Soiled Utility	6 Air Changes	Negative	66°F - 72°F	20% - 60%
7E125	Soiled Utility	6 Air Changes	Negative	66°F - 72°F	20% - 60%
8W108	Soiled Utility	6 Air Changes	Negative	66°F - 72°F	20% - 60%
9W140	Soiled Utility	6 Air Changes	Negative	66°F - 72°F	20% - 60%
10W111	Soiled Utility	6 Air Changes	Negative	66°F - 72°F	20% - 60%

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General Notes Applicable to all tests:

Contractor shall report to the VA police to sign in and obtain access control badge, then report to COR on date and time previously arranged with COR. Once work is complete, contractor shall leave field report with COR, sign out with VA police and return access control badge before leaving medical center property.

All testing shall be completed by the 28th of each month.

All scheduling shall be coordinated in advance by contacting Chuck Jennings, HVAC Supervisor at (412) 735-4620.

Some testing will need to be completed during normal business hours (Monday-Friday, 7:30 AM – 4:30 PM, excluding Federal Holidays). The majority of testing will need to be completed outside of normal business hours (after hours on weekdays and/or weekends).

Report any deficiencies immediately to Richard Powell, Supervisory General Engineer/Utility/HVAC Unit, (412) 360-3681. Submit electronic reports to Richard.Powell4@va.gov.

A brief report including test methods and field test forms shall be provided upon completion of the testing. **Report shall be in an Excel spreadsheet format with the following column headings: Room, Room Number, Supply (cubic feet per minute), Exhaust (cubic feet per minute), Temperature (degrees F), Relative Humidity (%), Air Balance (required), Air Balance (actual), Room Volume (cubic feet), Air Changes per Hour, Baulin Tube Functioning (Y/N)**

SOME ROOMS MAY REQUIRE PROTECTIVE CLOTHING.

VA employees accompanying vendor will provide guidance on which rooms require protective clothing prior to entry.

VHA Directive 1192 requires all health care personnel (HCP) to participate in the seasonal influenza prevention program and outlines the key implementation steps. Health care personnel is defined in VHA Directive 1192 as all VA licensed and unlicensed, clinical and administrative, paid and unpaid, full- and part-time employees, intermittent employees, fee basis employees, **VA contractors**, students, researchers, volunteers, and trainees who work in VHA locations. HCP covered by the policy are expected to receive annual influenza vaccination. Those HCP unable or unwilling to be vaccinated are required to wear a face mask throughout the influenza season. Masks are available at entrances throughout the medical center.

It is the responsibility of the contractor to ensure that all contract staff are compliant with the requirements outlined in VHA Directive 1192. The contractor shall maintain the following documentation:

- Documentation of vaccination, e.g., signed record of immunization from a health care provider or pharmacy, or a copy of medical records documenting the vaccination.
- Completed Health Care Personnel Influenza Vaccination Form (Attachment B of VHA Directive 1192) if unwilling or unable to receive the vaccine. (Attachment 1 to Statement of Work)

The contractor is required to submit annual certification to the Contracting Officer's Representative (COR) that all contract staff performing services at VA facilities are in compliance with VHA Directive 1192.

TUBERCULOSIS TESTING: Contractor shall provide proof of a negative reaction to purified protein derivative (PPD) testing for all contract personnel. A negative chest radiographic report for active tuberculosis shall be provided in cases of positive PPD results. The PPD test shall be repeated annually. All documentation shall be provided to the Contracting Officer's Representative (COR).

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Qualifications of Personnel Conducting Air Flow Testing Services

Personnel conducting air flow testing services at the VAPHS shall possess the following qualifications and credentials throughout the performance of this contract:

1. Current documentation demonstrating Certified Industrial Hygienist and a Certified Safety Professional;
2. A minimum of five (5) years experience conducting air flow testing in a major medical facility;
3. Current certification of Industrial Hygienist certified in Comprehensive Practice by American Board of Industrial Hygiene and the Board of Certified Safety Professionals.

Attachment: VA Directive 1192