Lakehead

U N I V E R S I T Y

Specification for **Annual Laboratory Fume Hoods Inspections**

**May 7 2018 – April 30 2020**

**Project # LU17-043**

1.0 Summary of Work

To provide all labour and materials to inspect and perform face velocity air flow measurements of the Laboratory Fume hoods located at Lakehead University, Thunder Bay campus.

2.0 Program

Candidate will be required to inspect 59 laboratory fume hoods to ensure there are no damaged components and that the air valves and controls are functioning properly. The fume hoods are located in the Centennial Building, Braun Building and 1294 Balmoral Building on Lakehead Universities’ Thunder Bay campus. Face velocity measurements are required as follows – in a grid of 12 inch by 12 inch across the face using a test instrument that is affixed on a stand. Deviation from previous year’s measurements (greater than 10% reduction or greater than 20% increase) and obvious deficiencies in flow must be reported immediately to Physical Plant. The expected velocities should be in the 70 to 130 fpm range Also, a smoke capture test shall be performed on each hood to help identify any leaks, cross draft issues or turbulence. A complete formal report containing all inspection for all of the fume hoods and all air measurement results for all of the fume hoods is to be issued with 2 copies to the University. As well every hood is to have a durable, water resistant, tag affixed to it’s outer cabinet identifying the date of inspection and signature of inspecting technician.

The inspections have to be performed on a schedule to be provided by the successful bidder. This schedule must be conveyed to Lakehead prior to performing the work and may have to be adjusted in order to accommodate lab activities.

Evidence of measuring equipment up to date calibration and identification is to be provided.

Note that some specific Bio-hazard training will be required on some of the hoods. This training time, would be invoiced extra to the University at the time of training.

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3.0 Submissions

In addition to items listed on the Bid Form,

Candidate will be required to supply a list of references demonstrating past service they performed on Systems identical or similar to Lakehead University over the last three years as well as evidence of technician qualifications and certifications.

The pricing for this service is to be set up as a lot price for all 59 Fume Hoods. Repairs or extensive adjustments, if required, are to be quoted for approval by Lakehead University.

This contract is for a two year period May 2018 to April 2020.

Detailed documentation including labour and description and pricing of all materials, must be attached to all invoices.

A valid WSIB certificate and evidence of Liability Insurance will be required upon successful award.