MAJOR WORK DURING LAST TEN YEARS THAT BEST ILLUSTRATES QUALIFICATIONS

Project Name: Preparation of Certificate of Approval of Air for Paint Spray Booth O/Ref: 2004-1240		Country: Canada
Project location within Country: Toronto		Professional staff provided by your company: No. of Staff: 1 No. of Person-Months: 1
Name of Client: Toronto Catholic District School Board		
Start Date (Month/Year): July 2004	Completion Date (Month/Year): August 2004	Approximate Value of services: *Confidential*
Name of Associated Firm(s), if any: N/A		No. of Person-Months of professional staff provided by Associated Firm(s): N/A

Name of Senior Staff (Project Director, Team Leader) Involved and Functions Performed:
Dr. Masud Karim, Air Quality Specialist

Detailed Narrative Description of Project:

Bishop Marrocco/Thomas Merton Secondary School has an automotive paint spray booth. TCDSB is seeking assistance in preparing documentation in support of an application for a Certificate of Approval (Air) (CofA) for the spray booth located in Toronto, Ontario. In Ontario, Section 9 of the Environmental Protection Act (EPA) requires that all sources of emissions to the atmosphere, or modifications to sources, must obtain a CofA before they are installed or modified. The procedure for obtaining approval for the discharge of contaminants or modifications to the discharge of contaminants to air is to obtain a CofA for the equipment, by making an application to the MOE in accordance with Section 9 of the EPA. Regardless of compliance with Section 9, every facility is also required to meet the air quality standards of Ontario Regulation 346.

Detailed Description of Actual Services Provided by Your Company:

Engconsult was responsible for the following:

- Preparation of an Emission Summary and Dispersion Modeling (ESDM) report.
- Estimation of the emission rates for each of the contaminants of concern from those sources;
- Performance of dispersion modeling in accordance with Ontario Regulation 346 to predict the maximum concentration resulting from the aggregate emission of each contaminant at a POI (referred to as maximum POI concentration) and annual emission of each contaminant;
- Comparison of the predicted maximum POI concentrations to the relevant half-hour POI criteria specified by the MOE; and
- Documentation of the above steps in accordance with the requirements of the MOE Procedure.