

# SAE CSC2004 SNOWMOBILE DESCRIPTION FORM

Please fill out the following form and return it to Lori Witting before you leave the registration area. *Answer all questions about your snowmobile as it is actually competing (not as it was intended to compete).* Please answer all questions accurately, as the responses you supply will be used to summarize your entry in the SAE CSC2004 Summary Technical Paper.

**Team Name and Number:** University of Waterloo #6

## Engine

**Engine Cycle (2-stroke, 4-stroke, rotary)** 2-cycle

**Engine Displacement (cc)** 600 cc

**Engine Manufacturer** Bombardier

**Engine Modifications** stock

**Compression Ratio** stock 6.7 : 1

**Turbocharged? Supercharged?** No

**Engine Management System** stock MPEM

**Fuel Delivery (Carburetors, EFI, DI):** Carburetors

## Emission Control

**Air/Fuel Ratio Chosen (lean, stoich?)** Stoichiometric - lean

**Catalyst? Type?** Primary ? Three way catalyst/ Secondary ? Two way catalyst

**Secondary Air Injection?** Electronically controlled Secondary Air Injection w/ preheated air

**Exhaust Gas Recirculation?** No

**Other** \_\_\_\_\_

## Noise Control

**Describe Strategy** Exhaust silencers & mufflers tuned to reduce specific noise frequencies of engine.

Engine bay sealed to prevent noise leakage.

## Performance Maintenance

**Describe Strategy** Light weight plastic C&A skis, new aggressive Camoplast track. Mikuni flatside carbs w/ Holtzman vari-flow

## Other Unique Features of Your Snowmobile

**Describe Strategy** Enhance cooling capacity due to sealed engine.

## Special Measurements Needed for Acceleration Event

**Inside Ski Stance** 37 inches **Outside Ski Stance** 50 inches **Front Bumper Height** 17 inches