



**Bennett Environmental Inc.  
Proposed KL Thermal Oxidizer Facility**

**Addendum to Background Document 4  
Rationale for Incinerator Design**

February, 2001

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### 3.1.2.5 MONITORING OF KILN EXHAUST

[ Please read the following as the last paragraph in Section 3.1.2.5 ]

In summary, the important incinerator design parameters include retention time, temperature, burner design and seal design. BEI's proposed design will be state of the art for each of those parameters. The desorption efficiency for removal of organic compounds can be established by simply analyzing the organic content of the decontaminated kiln discharge. The level of organic compounds in decontaminated solids will be measured against the levels in the MOE *Guideline for Use at Contaminated Sites in Ontario* and consideration will be given to Ontario Regulation 558/00 to determine post treatment disposal options.