

Local Air Quality SRLB

Why and How the Study was Undertaken

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Why the Study Was Undertaken

- ❑ **Previous Study** re: Ashbridges Bay TP and Health Study (single source only, over time)
- ❑ TEO had city-wide AQ model experience
- ❑ **Board of Health** requested Environment Services (later became TEO) to model All Sources for the neighbourhood (2005)
- ❑ **RFP** “out” in early/mid 2008 and **Golder** started Fall 2008 (2 year Project)
- ❑ **All Source, Cumulative “Local” Assessment**

How the Study Was Undertaken

- ❑ **Chocolate Layer Cake Approach** - Design an all source area (USA, Ontario, Toronto) and an all source type (industrial, commercial, residential, transport, bio./agric.) database
- ❑ **“High Resolution” Local AQ Model** – Built by consultants (using large computer banks) also allows neighbourhood assessments at TEO
- ❑ **Health Appropriate** – Work with TPH to select 30 pollutants and input to Health Risk Analysis

Firsts

- ❑ Included 30 pollutants
- ❑ Included sources from USA, Ontario, & Toronto
- ❑ Included residential, commercial, industrial, transportation, and bio./agric. sources
- ❑ Involved Public Health fully (to assess impacts)
- ❑ Created advisory Community Liaison Committee
- ❑ Ensured model can include ChemTRAC later
- ❑ Ensured local models can operate at TEO (to update and undertake in other neighbourhoods)