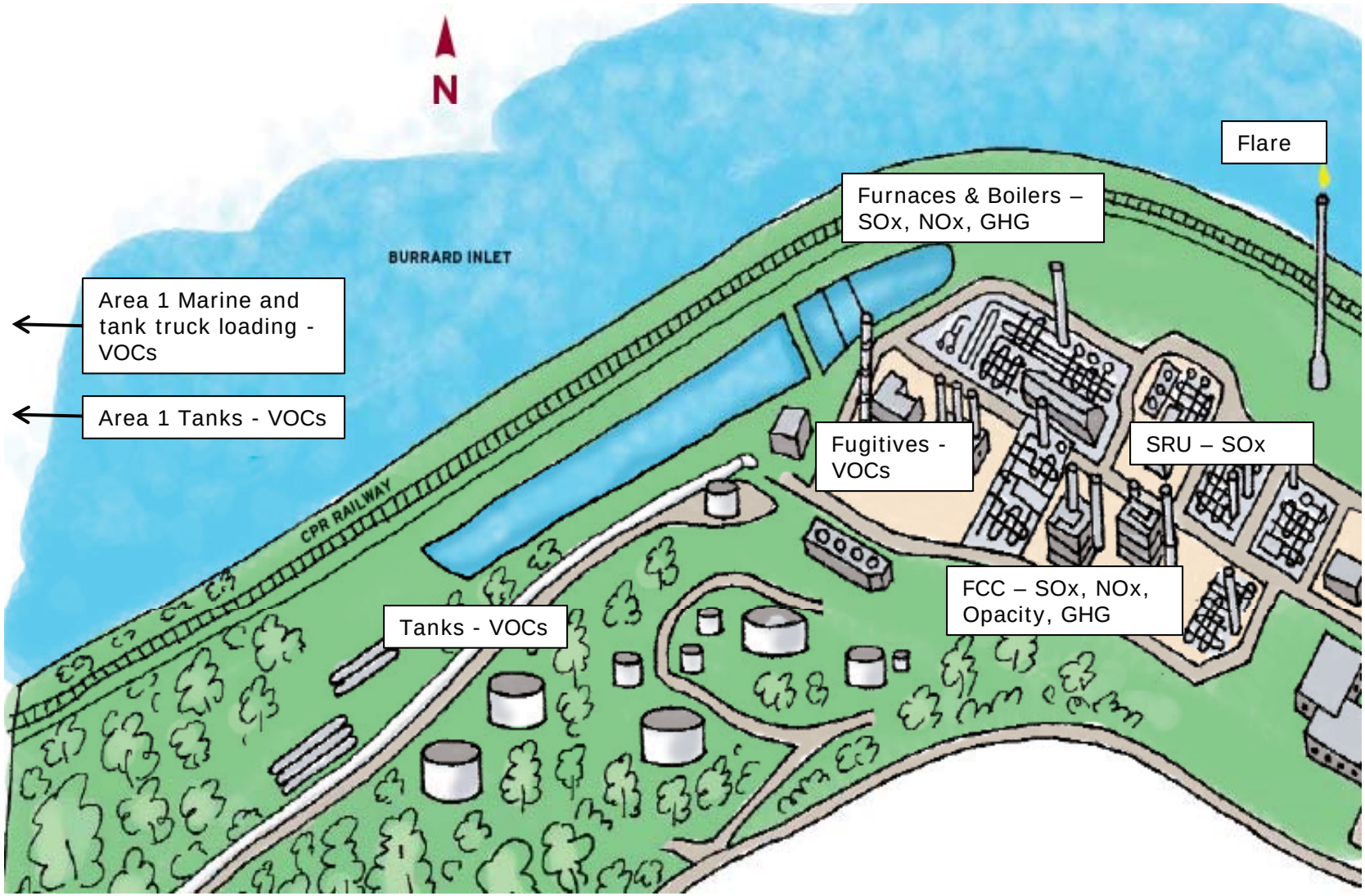
Burnaby Refinery
Emissions Management

CAP Presentation

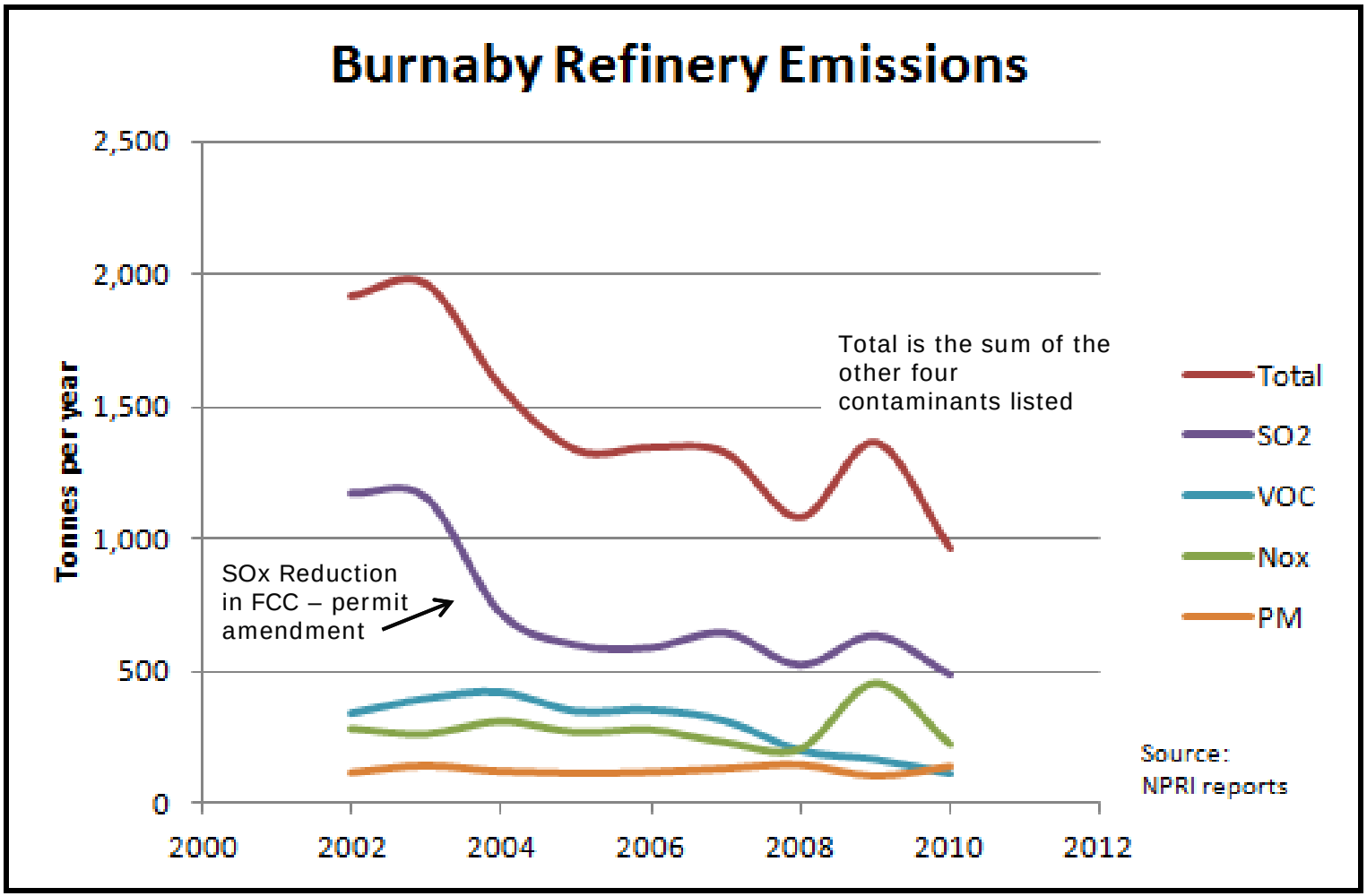
Wednesday, May 2, 2012

Refinery Emissions Sources

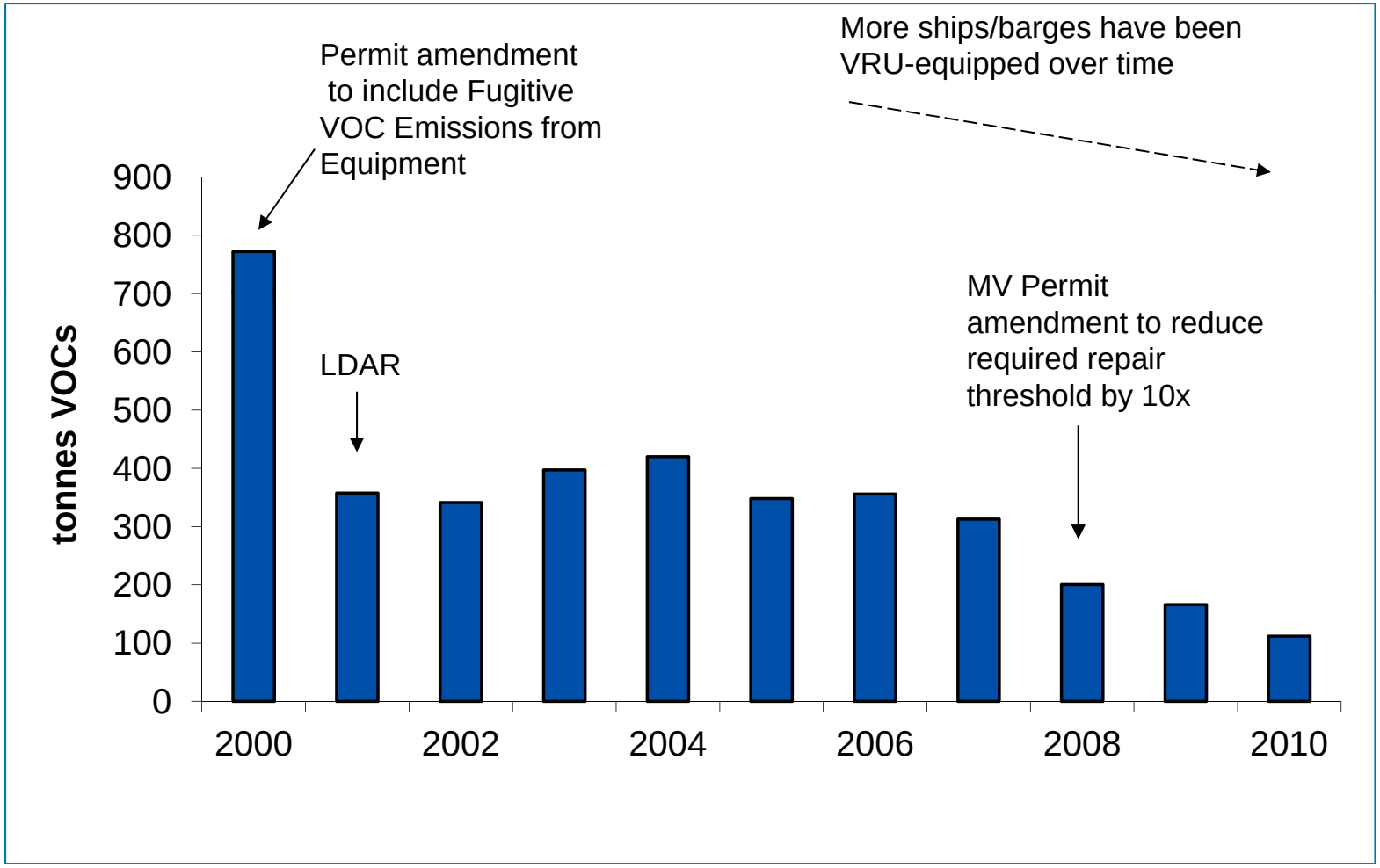


Trend of Burnaby Refinery Emissions

Source: National Pollutant Release Inventory (NPRI) submission.
Environment Canada NPRI Website



Volatile Organic Compound's



Leak Detection and Repair (LDAR)

GOAL:

- To reduce “fugitive” emissions from process equipment – valves, pumps etc.

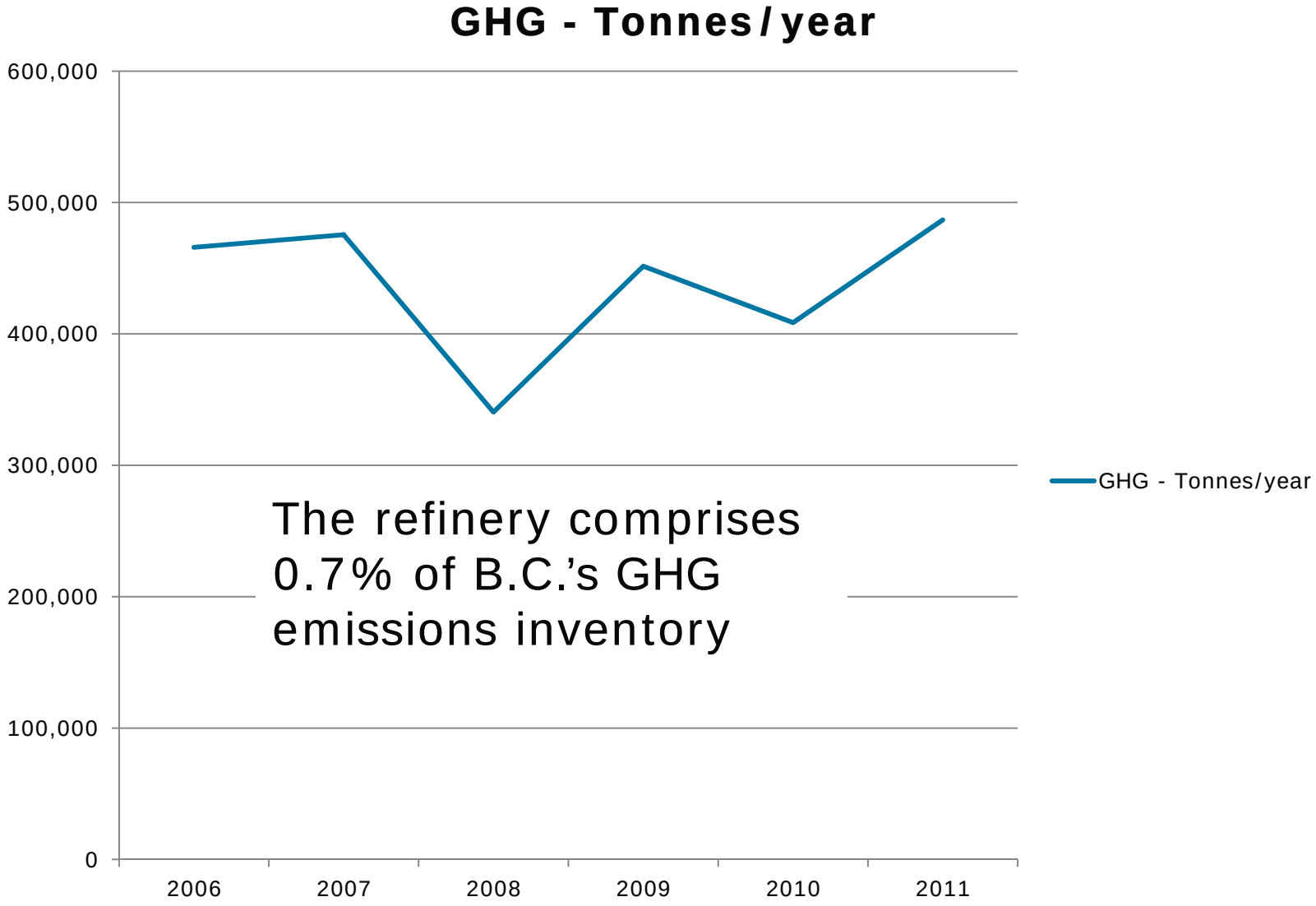
WHAT:

- Equipment containing at least 10% Volatile Organic Compounds (VOCs) by volume in the process streams must be monitored and controlled

HOW:

- Measure all equipment in this category and then repair as required

Burnaby Refinery: Greenhouse Gas



Burnaby Refinery Emissions

- Burnaby Refinery emissions currently meet a high standard relative to other Canadian Refineries.
- Total refinery emissions have been reduced measurably over the past decade.
- The refinery has contributed significantly to regional emissions reductions by producing cleaner fuels.

Sulphur levels have been reduced by about 80% in gasoline and 97% in diesel since 2000. Cleaner fuels also enable better emission controls that contribute to NOx reductions from vehicle tailpipes.

Questions?