



Air Emissions Update

Healthy Flin Flon
October 5, 2009



Current Status

- Smelter closure by July 2010
- Continued focus on community air quality
- Production decreases resulting in reduced emissions



Air Emission Update

Community Air Quality

■ Air Quality Website

- Current SO₂ at the 5 area monitors
- Chart or graph of previous 24 hour levels
- Contact information including what to do during high levels

■ Production Variations

- Dispersion model in use by Smelter operational personnel
- Intent is to predict SO₂ events in the community
- Goal is to use model predictions when varying production
- Operational changes to limit the length and number of SO₂ events

■ Site Work

- Continued tailings pond work to minimize dusting events
- Paving of roads on site to reduce dust



Air Emission Update

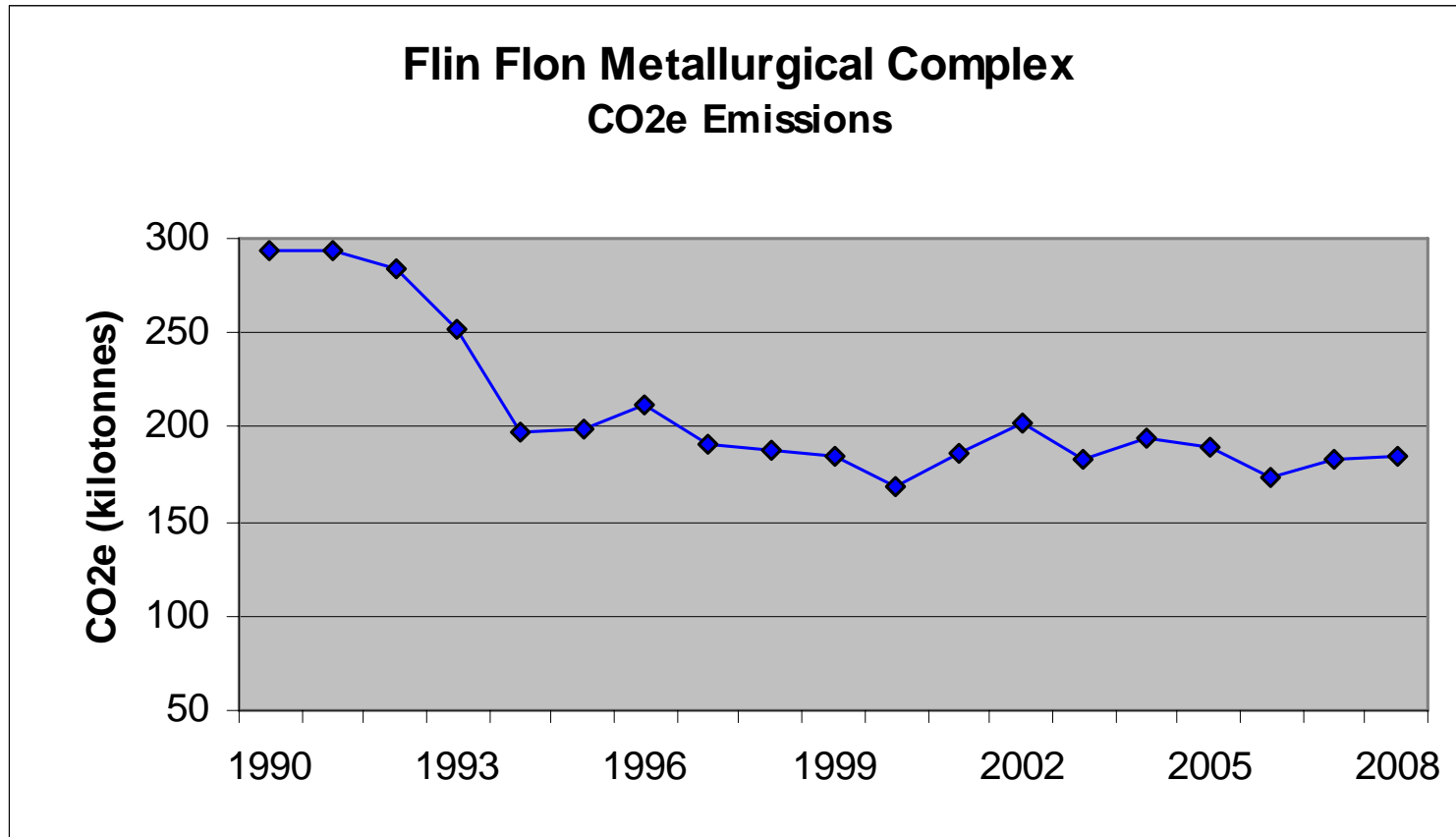
Air Quality Website (flinflonairquality.com)

The screenshot shows a web browser window displaying the 'Current Air Quality in the Flin Flon / Creighton Area' website. The browser's address bar shows the URL <http://www.flinflonairquality.com>. The website header includes the HBMS logo and a navigation menu with links for Home, FAQ / What to do if a warning exists, Useful Links, About HBMS, and Disclaimer. A status bar at the top of the page lists five monitoring locations with their respective SO2 concentrations: 1- Staff House: 0.0027, 2- Provincial Building: 0.0053, 3- Aqua Centre: 0.0024, 4- Hapnot Collegiate: 0.0034, and 5- Creighton Firehall: 0.0028. Below the navigation menu, the page title is 'Sulphur Dioxide Monitoring Locations' and a notice states 'Notice: no notices in effect.' The main content area features a map of the Flin Flon and Creighton area with five numbered monitoring locations marked. A text prompt above the map says 'Click on location to view the readings for the last 24 hours.' To the right of the map is a 'Zoom' control panel with a vertical slider and a legend showing color-coded dots (green, yellow, red) corresponding to the numbered locations. The browser's taskbar at the bottom shows several open applications, including 'Inbox - Micro...', 'Rob's Smelter', '2007 HFF Pre...', 'Healthy Flin Fl...', 'Watchguard ...', and 'Current Air ...'. The system clock in the bottom right corner shows the time as 15:18.



Air Emission Update

Green House Gas Emissions





Emission Reduction Plan

■ Mercury

- Reductions to Concentrate levels continue

■ Sulphur Dioxide

- Voluntary target of 187,000 tonnes in 2008
- Projected total of less than 150,000 tonnes in 2009
- Reduced rates in 2010 up to closure

■ Particulate Matter

- Reduced Zinc in feed helping reduce emissions
- Reduction in throughput reducing emissions



Metals in Soils Study Update

- HHRA data collection completed in 2008 (soil, dust, water, etc)
- Community Health Status Assessment completed late 2008 (“...as good as or better than the provincial averages for most indicators studied”)
- Initial draft HHRA report prepared early 2009
- Reviewed by Technical Advisory Committee (TAC) and Independent Expert Review Panel (IERP)
- IERP report received mid-September and Intrinsik now working on final draft HHRA report
- Exposure Evaluation study currently underway
- Expect final reports to be issued early 2010
- www.flinflonsoilstudy.com