

RECOMMENDATION (Summarized)	STATUS	ACTIONS TAKEN BY HYDRO
Adjust monitors to provide 10-minute average data in addition to hourly summary data. This additional data collection will enable an evaluation of the frequency with which 10-minute aggregate concentrations exceed available World Health Organization (WHO) guidelines.	<input checked="" type="checkbox"/> Actioned 2006 Ongoing	Hydro is collecting and recording 10-minute average monthly sulphur dioxide data. This information is forwarded monthly to the Department of Environment and Conservation to ensure the validation of data and data collection methods.
Efforts should be made to reduce the heavier particulate emissions related to soot blowing and/or upsets.	<input checked="" type="checkbox"/> Actioned 2007 Pending Approval	Hydro's 2008 and 2009 capital budget (which is waiting approval from the Public Utilities Board) includes an engineering review of soot-blowing technology and associated equipment changes that could identify ways to reduce heavier particulate emissions.
Efforts should be made to increase the communications between the plant and the community.	<input checked="" type="checkbox"/> Actioned 2006 Ongoing	Hydro has met with community representatives and is working with stakeholders to improve communications with the community.
A surface soil survey should be conducted within the next two years in the nearby community.	<input checked="" type="checkbox"/> Actioned 2007 <input checked="" type="checkbox"/> Completed 2007	A soil sample of over 50 sites within a 2-km radius of the Holyrood plant was completed in late 2007.
Consideration should be given to expanding the current metals total suspended particulate (TSP) analysis (focused on antimony, arsenic, nickel and vanadium) for one year to include other metals.	<input checked="" type="checkbox"/> Actioned 2006 <input checked="" type="checkbox"/> Completed 2007	Hydro has expanded its metals analysis to include an additional 18 metals associated with plant operations which includes antimony, arsenic, nickel and vanadium.
Measures should be considered to identify odour sources related to the plant to identify those conditions/activities most frequently associated with odour complaints.	<input checked="" type="checkbox"/> Actioned 2007 Ongoing	The switch to 1% sulphur fuel has reduced the fuel odour and therefore the number of public complaints related to odours. Hydro is also investigating the use of a fuel inhibitor to collect sulphur and reduce hydrogen sulphide.
Consideration should be given to including benzene, toluene, ethylbenzene and xylenes (BTEX) in the next stack testing program conducted at the Holyrood plant.	<input checked="" type="checkbox"/> Actioned 2007 <input checked="" type="checkbox"/> Completed 2007	Hydro completed stack tests in March 2007 which included testing for BTEX.
When air dispersion modelling is conducted, increased measurements points will be included to enable continued evaluation of predicted air concentrations in residential areas close to the plant.	<input checked="" type="checkbox"/> Actioned 2007 <input checked="" type="checkbox"/> Completed 2008	The results of air (stack) testing from March 2007 were used for air dispersion modelling which was completed in May 2008. The final report will be presented to the CLC in September 2008.
Move the TSP monitor from the Butterpot station to Indian Pond Drive and collect metals data to validate predicted metals concentrations.	<input checked="" type="checkbox"/> Actioned 2006 <input checked="" type="checkbox"/> Completed 2006	Hydro relocated the (TSP) monitor from the Butterpot station to the Indian Pond Drive location and began the collection of expanded metals in July 2006.