

**UNDERTAKING 37: MS. MORRISON TO CONFIRM THAT THE AIRBORNE EMISSIONS REPORTED TO THE NPRI FROM THE OIL SANDS INDUSTRY IN CANADA INCREASED BY MORE THAN 50 PERCENT FOR MERCURY BETWEEN 2008 AND 2010, AND THE SAME FOR ARSENIC AND LEAD**

To answer the outstanding question as to whether the airborne emissions of these substances increased by more than 50% from 2008 to 2010 from the oil sands industry, upon confirmation of the data the response is as follows and the numerical details are in the table below:

- Pb – No
- As – No
- Hg – Yes

It is important to note is that for those facilities that have reported in 2008, their emissions have remained stable, or decreased. The apparent over 50% increase for Hg is due to new Hg reporting during that period from CNRL Horizon (increasing emissions) and Syncrude Aurora (still in line with reporting in the early 2000's).

We have calculated the % increases from 2008 to 2010 with the following formula:  
 $((2010 - 2008) / 2008) * 100$

	Air Release (tonnes)		
	Pb	As	Hg
2008	0.760893	0.098484	0.084848
2009	0.781697	0.078213	0.107633
2010	0.852696	0.138809	0.140174
% Change 2008 to 2010	12.06517	40.94523	65.20613