



## HEALTH

**SCOTFORD UPGRADER 2 PROJECT  
SUPPLEMENTAL INFORMATION  
SIR RESPONSES**

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**Question No. 3****Request*****Supplemental Information Request Response 33, Page 7-8***

*Shell did not complete an assessment of the impacts of selenium to human health as a result of consumption of fish. This is important to characterize the baseline conditions should Shell contribute selenium loads in the future.*

**3a** *Provide this assessment.*

**Response****3a**

Based on the data from fish sampling and studies carried out on behalf of Shell Canada Limited, in 2007 and 2008 it is concluded that fish caught and eaten from the North Saskatchewan River are not anticipated to result in or be associated with selenium-related health impacts to the area residents. The estimated daily intakes of selenium due to the consumption of fish are below levels at which negative health effects might occur. Further, selenium concentrations in fish collected from the North Saskatchewan River appear to be similar to those collected in other parts of Alberta. For the reasons stated, the concentrations of selenium measured in fish collected in the vicinity of the Scotford complex can be considered safe for human consumption.

A report titled “Potential Human Health Impacts Related to Selenium in Fish from the North Saskatchewan River” is attached that provides further details of these findings.