

Toxicity Exercise 1

Questions for students:

1. Complete the following table using Source Category Toxicity-weighted emissions.

All HAPs	Stationary Sources	Onroad Mobile	Nonroad Mobile
Emissions (TPY)			
Cancer Toxicity Weighted Emissions			
NonCancer Toxicity Weighted Emissions - Respiratory			
NonCancer Toxicity Weighted Emissions - Neurological			

2. Which pollutant has the highest Total Toxicity-Weighted Emissions for Cancer Risk?
3. What are the largest source categories of the pollutant with the highest Total Toxicity-Weighted Emissions for Cancer Risk?
4. What pollutant has the highest Total Toxicity-Weighted Emissions for NonCancer Effects?
5. What is the target organ of the pollutant with the highest Total Toxicity-Weighted Emissions for NonCancer Effects?

6. What are the largest source categories of the pollutant with the highest Total Toxicity-Weighted Emissions for NonCancer Effects?
7. What HAPs and Source Categories would you include in your inventory if you have limited resources?
8. What stationary sources would you inventory as point sources based on toxicity information?