

## **Toxicity Exercise 2**

Questions for students:

- 1. What are the source categories Salt River provided data for in the 1999 NEI for HAPs?**
- 2. What sectors are included in the submittal (major, area point, area nonpoint, etc.)?**
- 3. What 2 pollutant have the highest emissions for all categories? What are their emissions?**

**Pollutant 1:**

**Pollutant 2:**

**What is Chronic NonCancer RfCs for these 2 pollutants? What are the Target Organs for these 2 pollutants?**

**Pollutant 1:**

**Pollutant 2:**

**What is Chronic Inhalation Cancer UREs for these 2 pollutants?**

**Pollutant 1:**

**Pollutant 2:**

**Calculate the tox weighted emissions for these pollutants.**

**Emissions /Chronic Inhalation Noncancer = Noncancer Risk Ranking**

**Pollutant 1:**

**Pollutant 2:**

**Emissions \* Chronic Inhalation Cancer - Cancer Risk Ranking**

**Pollutant 1:**

**Pollutant2:**

**Compare emissions and tox weighted ranking for these 2 pollutants:**

	<b>Pollutant 1</b>	<b>Pollutant 2</b>
<b>Name</b>		
<b>Emissions (TPY)</b>		
<b>Cancer Tox Weighted Emissions</b>		
<b>Noncancer Tox Weighted Emissions</b>		
<b>Target organs</b>		

**4. What source categories emit each of these 2 pollutants?**

**Pollutant1:**

**Pollutant2:**

**5. If time permits, tox weight other HAPs and rank them by toxicity. Compare results to determine which pollutants and categories Salt River should focus their resources on.**