

## Enforcement and Compliance

<b>Regulated Facilities in the U.S. Side of the Border Region</b> Figure 18		<b>Type of indicator</b> State
		<b>Goal and Objective: 6.2</b>
<b>Description of the INDICATOR</b>		
<i>Definition</i>	Graphical representation of the number of regulated U.S. facilities within 100 km of the U.S.-Mexico Border by permit number and type	
<i>Importance of the indicator/purpose</i>	<p>The geographical representation serves as a base for determining the pollution sources that present the highest risks to human health and the environment.</p> <p>Environmental laws exist on both sides of the border to regulate issues such as chemical production, pollutant discharge to air and surface waters, and the generation, transportation, storage, and treatment of hazardous wastes. These environmental regulations are complex, but have a simple aim of protecting human health and the environment. On both sides of the border these laws and their implementing regulations are enforced by federal governments with many authorities delegated to States and in some cases municipalities.</p>	
<i>Concepts and definitions</i>	<u>Regulated facility</u> – Facility that is regulated by one or more permits	
<i>Units of measure</i>	Number of regulated facilities by state and by total number of permits/type	
<i>Coverage</i>	November 2005. Portions of the U.S. side of the border region	
<i>Calculation</i>	<p>Extract the facilities linked with a permit by Facility Registry System (FRS) identification number from EPA's Integrated Data for Enforcement Analysis (IDEA) System. Then determine which facilities fall within the 100 kilometers of the U.S.-Mexico border, based on latitude and longitude, city, state, county and/or ZIP code. Count the number of facilities in the border region in each state and calculate a percentage of the total number by state. Percentages are reported in the text.</p> <p>Regulated facilities identified in Arizona, California, New Mexico and Texas border regions are listed in Tables 20-1, 20-2, 20-3, and 20-4, respectively. Regulated facilities included in the total number reported in the text of the report, but for which location information were not provided in the tables (blank) are listed in Table 20-4. A total of facilities by state are listed in Table 20-5.</p> <p>Plot the location of facilities geographically on a map with different symbols for number of permits.</p>	
<i>Source(s) of information</i>	The data were originally submitted to the States and/or EPA in permit applications or generator notices and were extracted for the border area based on a search of EPA's Integrated Data for Enforcement Analysis (IDEA) System including EPA's Air Facility System (AFS); Permit Compliance System (PCS); and Resource Conservation and Recovery Act Information System (RCRAInfo). November 2005 Refresh.	
<i>References (Additional information)</i>	<a href="http://www.epa.gov/compliance/data/systems/index.html">http://www.epa.gov/compliance/data/systems/index.html</a>	
<i>Limitations of the indicator</i>	<p>Approximately 2,900 facilities (often inactive and/or "minors") from the search of the IDEA system were found without substantial information to determine exact location. Due to the poor quality of data these data were excluded from the analysis.</p> <p>Facility identification depends on reported latitude and longitude, city, state, county and/or ZIP code. Issues have been known to exist with the quality of data within these fields (such as: fields not always populated; containing contradicting data; containing spelling errors; or information presented in non consistent formats (St. Thomas versus Saint Thomas). Additional assignment of location information could have been conducted based on city, but was excluded from the analysis due to the high level of effort involved.</p>	