

US EPA ARCHIVE DOCUMENT

FY 2011 National Water Program End of Year Performance by Subobjective

The following chapters provide a summary of the progress made toward accomplishing environmental and program goals for each subobjective described in the *FY 2011 National Water Program Guidance*. Each subobjective chapter includes the following information:

- A brief summary of overall performance in 2011 and the previous four years for measures under each subobjective.
- A description of performance highlights, including what commitments were met and what factors contributed to success.
- A description of management challenges, if appropriate, identifying key factors that led to measures not being met and next steps to improve performance for the future.

Each subobjective section focuses primarily on measures with FY 2011 commitments. Indicator measures are discussed where trends significantly differ from previous year's results. Annual Commitment System (ACS) measure codes (e.g., SP-1) are provided in the text in parentheses.

Key for Reading Performance Measure Charts and Tables

For all charts with national trend results, commitments are reflected by blue trend lines and results by vertical bars. For charts with regional FY 2011 results, a dotted line (in orange) indicates the national FY 2011 commitment for that particular measure. Although regions use the national commitment as a point of reference in setting their annual commitments, regional commitments may vary based on specific conditions within each region. Green bars in both national and regional charts identify commitments met, and red bars identify measures not met. A purple bar indicates that the Agency did not set a commitment for that year.

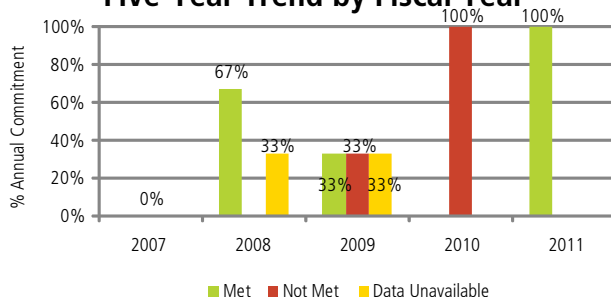
For the measure summary tables in each subobjective chapter, a green "up" arrow means that a measure met its FY 2011 commitment, and a red "down" arrow indicates that the annual commitment was not met. The letter "I" means that the measure is an indicator measure and did not have an annual commitment for FY 2011. Measures without data or not reporting in FY 2011 are indicated by "Data Unavailable." An "LT" symbol notes that the measure has a long-term goal and does not have an annual commitment. A gold star (★) in the past trends column highlights that the measure has met its annual commitment 100% of the time over the past four or five years. And finally, the appendix number represents the page in Appendix D (A-00) on the website where additional details about the measure can be found, and the figure number is the number of the chart in the chapter.



 **Subobjective: U.S.–Mexico Border**

The U.S.–Mexico Border Program met all three of its commitment measures in FY 2011 (Figure 43). By contrast, results from prior years have been mixed. Although EPA closely monitors the progress of all border infrastructure projects, the nature of infrastructure projects is such that unanticipated delays can and sometimes do occur. Conversely, projects sometimes progress more quickly to completion than originally forecast. Either of the above situations—an unanticipated project delay or an expedited project completion—can affect end of year performance reporting.

Figure 43: U.S.–Mexico Border Subobjective Five-Year Trend by Fiscal Year



FY 2011 ACS Code	Abbreviated Measure Description	Commitment Met/Not Met (I = Indicator) (Data Unavailable = No Data/Not Reporting) (LT = Long-Term Target)	Past Trends: # of Years Met	Appendix Page Number (D-0)/ Figure Number
Subobjective 4.2.4 U.S.–Mexico Border				
SP-23	BOD loadings removed U.S.–Mexico Border	▲	1/2	D-48
SP-24	Safe drinking water homes U.S.–Mexico Border	▲	3/4	D-48/Fig. 44
SP-25	Wastewater sanitation homes U.S.–Mexico Border	▲	2/4	D-49/Fig. 45

The United States and Mexico have a longstanding commitment to protecting the environment and public health in the U.S.–Mexico Border Region. EPA’s U.S.–Mexico Border Program will continue to implement this binational program by working with the Mexican government, the Border Environment Cooperation Commission, the North American Development Bank, the 10 border states, and border communities to improve public health and the environment in the region.

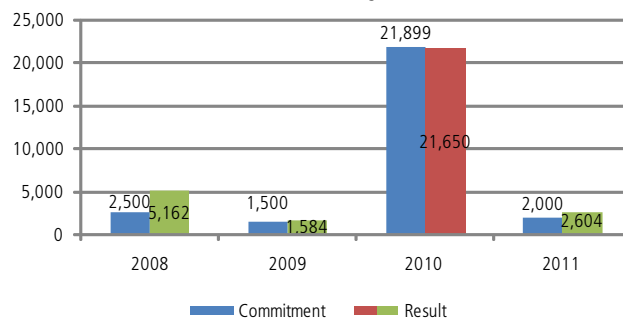
The U.S.–Mexico Border Water Infrastructure Program provides funding for the development and construction of wastewater and drinking water infrastructure for border residents, often for first-time services. EPA establishes annual commitments for the safe drinking water and wastewater sanitation measures using detailed project schedules to estimate project completions. Many variables can impact the construction schedule of a large infrastructure project. These may include weather delays, local economic conditions, or the unique challenges of binationally funded and managed projects, among them political exigencies or the complications associated with multiple funding sources working on different schedules. In prior years, these variables have impacted the end of year results, with some projects completed ahead of schedule and some experiencing delays. In FY 2011, all expected project completions were realized and the program met its commitment measures.

FY 2011 Performance Highlights and Management Challenges

Biochemical Oxygen Demand (BOD) Loadings Removed: In FY 2011, the Agency reported for the second time on the amount of BOD—a measure of organic content and a standard metric of wastewater strength—removed from wastewater as a result of EPA investments in wastewater infrastructure. Project completions through FY 2011 have resulted in the removal of 108.5 million pounds of BOD loadings annually from the U.S.–Mexico Border area, slightly more than its commitment of 108.2 million pounds (based on a baseline of 0 pounds in 2003) (SP-23). Two large wastewater projects that experienced delays in FY 2010 were subsequently completed in FY 2011, contributing to the cumulative end of year result. An additional 43.4 million pounds BOD are being removed each year as a result of FY 2011 project completions.

Safe Drinking Water to Homes in U.S.–Mexico Border Area: EPA provided 2,604 additional homes with access to safe drinking water in FY 2011, surpassing the national commitment of 2,000 (SP-24) (Figure 44). The completion in FY 2011 of a small drinking water project that was delayed in FY 2010 contributed in part to this result. Since 2003, the Agency has provided 54,734 additional homes in the border region with access to safe drinking water. As a result, the Agency has achieved 74% of its long-term FY 2015 target of enabling 73,886 additional homes to access safe drinking water.

Figure 44: Safe Drinking Water in Homes in U.S.–Mexico Border Trend by Fiscal Year (SP-24)



Adequate Wastewater Sanitation to Homes in the U.S.–Mexico Border Area: EPA provided adequate wastewater sanitation to an additional 259,371 homes over the past year. Two large wastewater projects that were scheduled to be completed in FY 2010 were completed in the first quarter of FY 2011. In addition, a large wastewater treatment project was completed ahead of schedule during the second half of the fiscal year. Wastewater projects completed in FY 2011 are providing wastewater service to approximately 1 million people. Cumulative wastewater sanitation connections made through FY 2011 total 513,041 homes (Figure 45), representing 99% of the Agency’s long-term commitment of connecting 518,042 homes by FY 2015 (SP-25). The Agency is on pace to exceed this long-term commitment in FY 2012.

Figure 45: Wastewater Sanitation in Homes in U.S.–Mexico Border Trend by Fiscal Year (SP-25)

