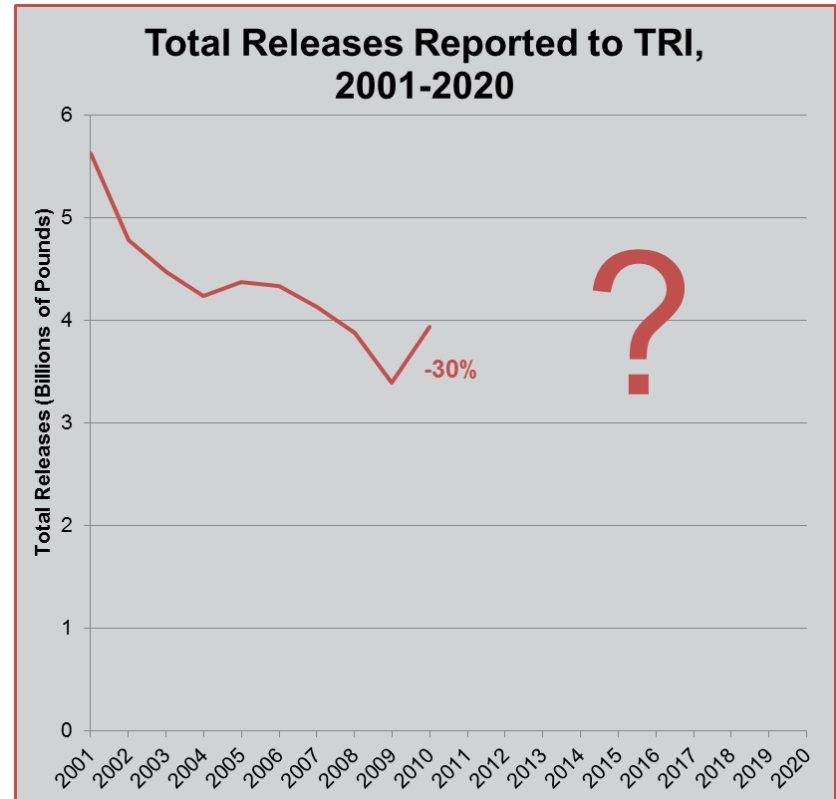




Chemical Releases in the Future: What will TRI Look Like in 2020?

April 11, 2012



Introduction



- Simple projections, using historical TRI data, as well as economic and population forecasts can give us an idea of:
 - What the TRI program might look like in the future
 - Changes in the number of people living near TRI facilities and potentially exposed to TRI chemicals

Analysis



- Part One: Project TRI Reporters, Releases, and Production Related Waste to 2020 for the Manufacturing Sector (NAICS 31-33)
- Part Two: Compare Projections of TRI Reporting for all Sectors to Population
- Assumptions
 - No programmatic changes to the TRI reporting requirements over the period of the analysis
 - Factors such as output per employee, processes, and amount of offshoring stays the same over the period of analysis

Methods – Part One



- Project TRI Reporters, Releases, and Production Related Waste to 2020 for the Manufacturing Sector (NAICS 31-33)
- Use three different bases of estimates:
 - Historical trends
 - Projection of Employment in the Manufacturing sector
 - Projection of Value of Shipments (VoS) in the Manufacturing sector

Methods – Part Two



- Compare Projections of TRI Reporting for all Sectors to Population
 - Number of US counties containing TRI reporters
 - Population of US counties containing TRI reporters

Results – Part One

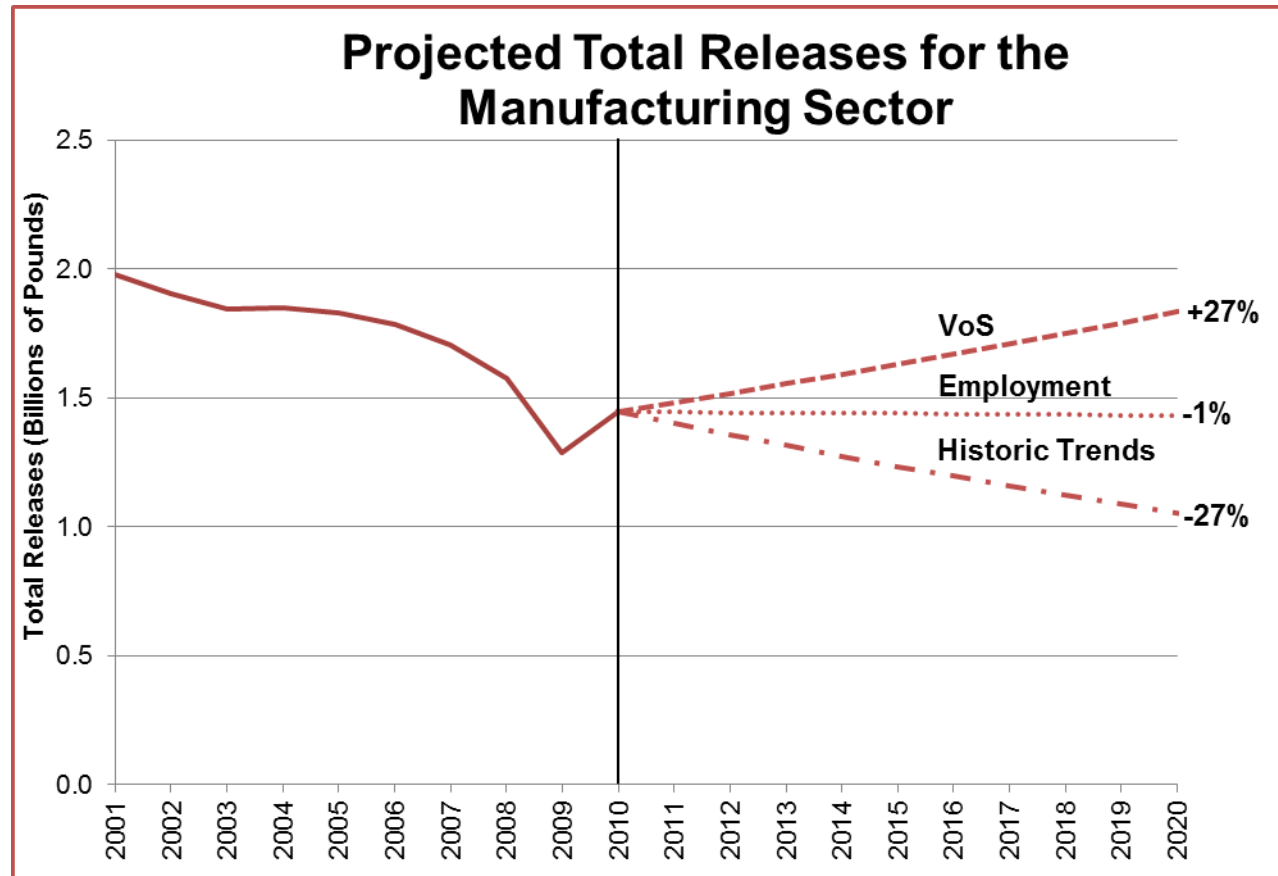


- Based on historic projections:
 - Number of TRI reporters in manufacturing would decline by 24% from 18,542 reporters in 2010 to 14,116 reporters in 2020
 - Total manufacturing releases would decline by 27% from 1.4 billion pounds in 2010 to 1.1 billion pounds in 2020

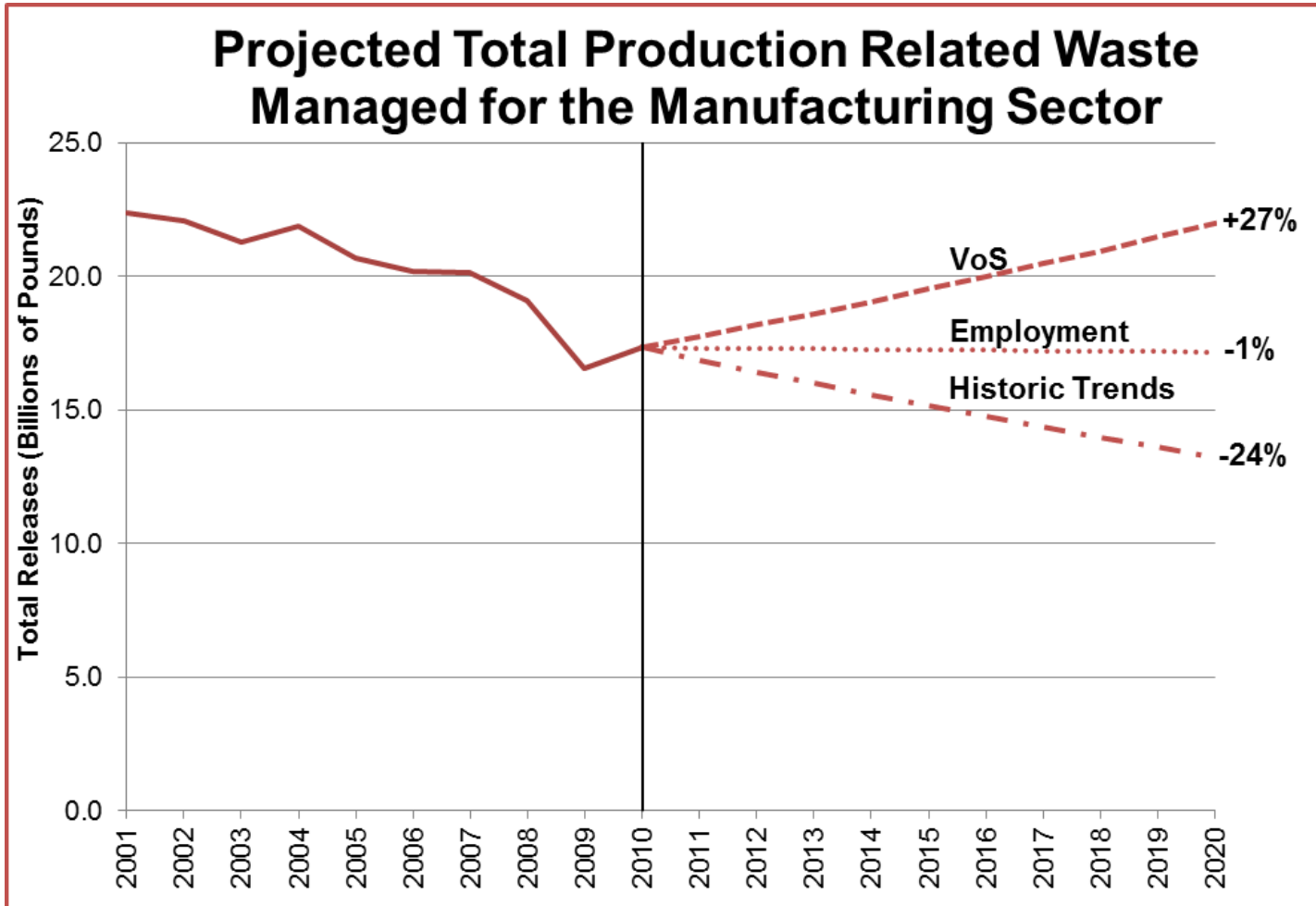
Results – Part One



- Releases could range from a decline of 27% to an increase of 27% compared to 2010
- Imports over this period are expected to increase therefore offshoring likely increasing
- Even though releases may not increase by as much as 27%, they aren't likely to disappear



Results – Part One



Results – Part Two



- Number of counties containing TRI reporters declines
- Population exposed to TRI chemicals could increase by 9% by 2020
- Exposed population roughly the same percentage of the US population as in 2010

	TRI Affected Population	U.S. Total Population	TRI as % of U.S. Total
# Counties			
2001	2,422	3,143	77%
2010	2,343	3,143	75%
2020	2,250	3,143	72%
Population			
2001	277,068,263	284,968,955	97%
2010	299,493,150	308,745,538	97%
2020	326,237,836	341,387,000	96%

Take Away Messages



- TRI releases from the manufacturing sector are likely to be substantial – over 1,000,000,000 pounds per year – into the future
- The majority of the US population will still live in proximity to TRI facilities and have exposure to TRI chemicals in 2020
- As long as we are adding value in the U.S. economy by manufacturing and processing chemicals, the TRI program will have relevance both at the national and community level

Susan_Day@abtassoc.com

617-349-2768



BOLD
THINKERS
DRIVING
REAL-WORLD
IMPACT

