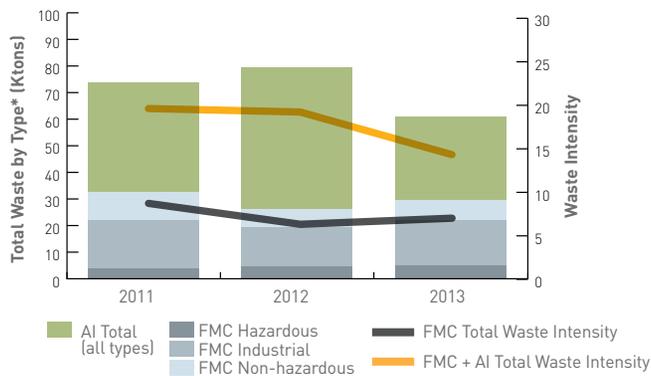
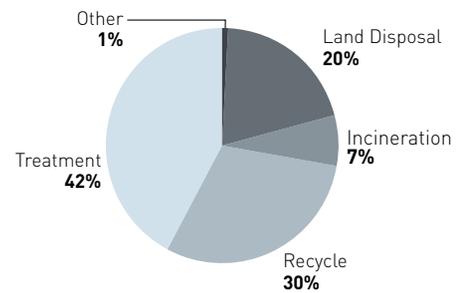


## GLOBAL WASTE BY TYPE



FMC's 2013 waste intensity increased by 11 percent vs. 2012. This was driven by lower demand for a large volume by-product produced by one of our sites in 2013, necessitating disposal of the material. 2013 waste intensity is still 20 percent lower than 2011 levels.

## GLOBAL WASTE BY DESTINATION



Includes FMC hazardous, non-hazardous and industrial waste only. (AI data not included)

FMC will perform a detailed waste assessment project in 2014. We expect this project to inform our strategy for waste reduction and decreasing waste-to-landfill.

source of cooling capacity versus energy-intensive mechanical chillers. However, the lake depends on natural precipitation for level maintenance. With continued drought conditions in the Western United States, the containment lake reached critically low levels in 2013 and additional water intake was necessary to maintain the appropriate lake level. This maintenance was the primary driver for FMC's increased water intensity in 2013.

It is well recognized that major global shifts involving population growth and climate change are creating substantial concerns about water availability. To understand FMC's exposure and to determine how to mitigate potential risks, we conducted a Water Risk Assessment (WRA) that cross-referenced water use details from our manufacturing sites with the World Resources Institute's "Aqueduct" water mapping tool. Based on those results, we analyzed the potential water source risk for our manufacturing sites, our Agricultural Solutions contract manufacturers and key suppliers.

The WRA identified nine FMC facilities in water stressed areas with significant water dependency but only two – Green River, Wyoming, and Minera del Altiplano, Argentina – indicated future potential water instability. We are confident that we have adequate water availability in the near term. As a result of these findings we are working to better understand each situation and develop conservancy and contingency strategies to ensure long-term availability.

In addition, to ensure that potential water risks are considered in all future investment decisions, the WRA is being integrated into FMC's long-term corporate planning. It will factor into decisions involving mergers and acquisitions and the Capital Deployment Process.

## Waste Reduction

FMC's 2013 waste intensity increased by 11 percent versus 2012. This was driven primarily by increased waste shipments from our Bessemer City, North Carolina, location in 2013 versus 2012. One of the site's large volume by-products could not be distributed in a timely manner due to demand fluctuations necessitating disposal. Other significant factors included increased focus on elimination of out-of-service equipment and materials across all of our sites and, in some cases, tighter cross-contamination standards leading to increased rinsing of equipment and resulting wastewater.

Our decision to include Agricultural Solutions active ingredients contract manufacturers in our results also has a significant impact on waste. FMC employees work closely with these partners to continuously improve process yields and reduce waste intensity. In 2013, several significant reduction projects were implemented, including:

- Modification of process routes for several key active ingredients to improve overall yields and reduce waste loading.

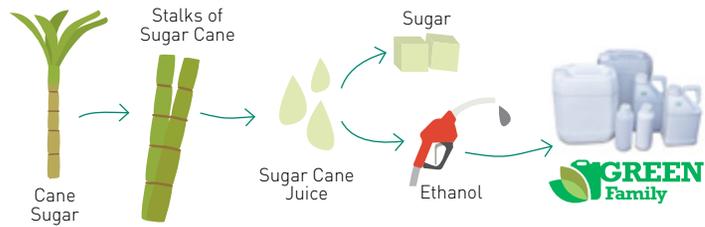


Containment lake at the FMC Green River site in Wyoming, United States.

## SUSTAINABLE PACKAGING

### \*GROWING PLASTICS

In 2011, FMC Brazil began offering its line of Green Jugs. The manufacturing of these products generates less greenhouse gas emissions than traditional plastic packaging. They represent the next generation in sugar-based bioplastic packaging solutions.

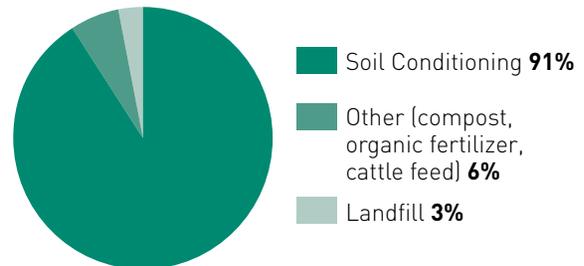


- Improvement in recovery of solvent streams and spent catalyst materials.
- Implementation of a system to recover a key raw material from a waste gas stream.
- Elimination of packaging material by converting material supplied in drums to bulk supplied material.

In addition to more standard waste types, processing of trona ore and seaweed results in high-volume/low-toxicity materials that must be disposed of or re-used. Volumes of these materials are associated with production as they are largely unused portions of a raw material being processed. We work to minimize the amount of material going to landfills and seek beneficial applications whenever possible.

- Processing of trona ore results in large amounts of excess inert shale (rock). FMC produced approximately 866,000 tons of this material in 2013. Additionally, production of steam and electricity required to process trona ore generated approximately 44,000 tons of boiler ash. We use the following hierarchy to determine how best to dispose of the materials:
  - ▶ Continued use in the process (this allows us to recover any remaining alkaline value).
  - ▶ Return shale to its place of origin – underground in formerly mined areas.
  - ▶ Manage on-site via a well-engineered storage area that is regularly inspected by regulators.
- FMC repurposes bio-solids at each of our Health and Nutrition production sites that generate them. Rather than going to a landfill, the materials are used for practical applications including:
  - ▶ Composting the material
  - ▶ Use in organic fertilizers
  - ▶ Soil conditioning or 'landfarming'
  - ▶ Cattle feed supplements

The chart below shows the total amounts of bio-solids produced and their final destination:



### Manufacturing Improvements

FMC's Manufacturing Excellence (ME) program, launched in 2012, drives sustainability and safety improvements in key performance metrics and encourages long-term changes in organizational culture. While each project may address different areas of manufacturing, they all build on an integrated three-phase process: pre-assessment, analysis and implementation.

ME projects were completed at three sites in 2013:

- *Green River*: We developed and implemented safety and productivity systems and processes at pilot portions of the site that are expected to accelerate both safety and operational progress. Initial ME results included:



Martin McQuaide (left) and Bob Davis assemble a pump to ensure optimal operation at the FMC Health and Nutrition manufacturing facility in Newark, Delaware, United States.