

Firestone Building Products

Environmental Improvement Project Results

2014 Project #1: Increase the amount of dust brick recycling over 2009 levels.

Measurements:

	2007	2008	2009	2010	2011	2012	2013	2014		Units
Actual Total Nonhazardous Dust Brick Waste Generation	154.4	152.1	91.9	77.93	94.6	120.5	164.6	159.1		Tons
Total Nonhazardous Dust Brick Waste Recycled	0.0	13%	12%	72%	86%	25%	34%	0%		Tons
2014 Board Feet of Production = 142,365,865										

	2014	2015	2016				Units
Total ft2 of seconds produced	570,432						FT2
Total ft2 of seconds donated	226,924						FT2
% Donated	39.8%						

Dust brick generation is the largest nonhazardous waste generation item at this location. Historically dust bricks have been disposed of in a landfill; however we were able to partner with a company to utilize the dust as an oil absorption media during the years between 2008 and 2013. Unfortunately our partner was not able to continue their utilization of our product and could not recycle for us during 2014. We will continue to work with local resources to investigate leads towards other outlets for our byproducts to reduce our landfill utilization in 2015.

We were, however, successful with donating non-conforming (seconds / off-spec) product that would have otherwise been sent to the landfill. We will continue to work closely with the outlets we are able to donate our product with to further reduce our landfill utilization in 2015.

Benefit to the environment for the year: Finding outlets for dust bricks and utilizing our outlets for off-spec material are two methods for reducing our landfill contributions.

Benefit or savings to the company: The Company's effort toward reduction of our environmental foot-print does result in slight cost savings by reducing the frequency of bin collections throughout each month. The most

significant benefit comes purely from the knowledge we are reducing the footprint to our environment and to our children's future. Efforts to increase recycling of waste streams are on-going.

Target Goal for 2015: Increase the % of donated off-spec material from 39.8% in 2014 to 50.0% in 2015

Project #2: Reduce use of hazardous chemicals used in manufacturing process.

Measurements:

	Baseline (2005)	Year 3 (2008)	Year 4 (2009)	Year 5 (2010)	Year 6 (2011)	Year 7 (2012)	Year 8 (2013)	Year 9 (2014)	Year 10 (2015)	Units
Actual Quantity (per year)	16,628,688	19,723,203	12,536,632	10,673,007	12,288,036	15,482,064	21,635,665	20,754,210		Lbs
Normalizing Factor	1.0	1.22	0.77	0.64	0.77	0.98	1.33	1.28		Lbs
Normalized Quantity (per year)	16,628,688	16,166,560	16,281,340	16,676,573	15,958,488	15,798,024	16,267,417	16,214,227		Lbs
Basis for Normalizing Factor	Board Feet of Production Baseline Board Feet of Production = 111,474,310 Current Year Board Feet of Production = 142,365,865									

Activities related to this commitment or, if relevant, any circumstances that delayed progress this year:

For 2014 we were successful in reducing the amount of raw chemicals consumed per unit produced. Production volume decreased 4% from 2013 to 2014; chemical usage (normalized to 2005) decreased by 0.3%. We are continuing to implement continuous improvement activities aimed at increasing production efficiency in order to reduce chemical usage in 2015.

Benefit to the environment for the year: Reduced chemical usage translates into more efficient conversion to product reducing emissions from the process and minimizing waste generation.

Benefit or savings to the company: Continued cost savings to the company via reduction of chemicals purchased per unit manufactured and overall cost reduction. This reduces the environmental foot-print of our facility through reductions in the use of natural resources required to manufacture chemicals.

Target Goal for 2015: Additional 0.5% reduction in the usage of chemicals per unit manufactured.