



## Maryland Green Registry MEMBER

The Maryland Green Registry promotes and recognizes sustainable practices at organizations of all types and sizes. Members agree to share at least five environmental practices and one measurable result while striving to continually improve their environmental performance.

# CertainTeed Corporation, Siding Products Group



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Manufacturing

Member since April 2014

### Management and Leadership



#### **Environmental Policy Statement**

*CertainTeed Corporation is a wholly owned subsidiary of Saint-Gobain Corporation. The Saint-Gobain Environmental Health and Safety (EHS) Policy covering all worldwide operations including the CertainTeed Siding Products plant in Williamsport, is shown as follows in the attached link:*

[Saint-Gobain EHS Policy.pdf](#)



#### **Environmental Team**

*A Williamsport plant's Pollution Prevention Team meets monthly and includes employees from all levels within the plant, including the plant manager. All aspects of waste prevention and disposal are discussed and the team is very active in implementing new practices for improvement. Senior management approved and supported the environmental efforts based upon meeting Saint-Gobain and CertainTeed's commitment to sustainable habitat and environmental responsibility. Support personnel include many folks inside and outside the plant that have contributed to this effort including:*

- *Plant Manager*
- *Continuous Improvement Engineer (primary lead on projects)*
- *Production Superintendent ( primary lead on project)*
- *Process Engineering Manager*
- *Plant Purchasing Agent*
- *EHS coordinator*
- *Production and Maintenance Department Personnel*

*Virtually all personnel are updated on landfill contributions each month by the Plant Manager at the regular communication meetings. This information is also always available on the plant Employee Information Center on an electronic scrolling video display. All personnel are updated on yearly landfill performance at the annual plant-wide Safety Day presentations.*



#### **Annual Environmental Goals**

*Saint-Gobain Corporation, the parent company of CertainTeed Corporation's Siding Products Group, has been setting 3-year objectives and targets since 2007 for the reduction of water consumption, waste, and air emissions (including CO<sub>2</sub>). The last cycle started in 2010, with 2013 as the target year of achieving the environmental reductions (e.g., 6% reduction of water consumed). The year 2013 not only ends the previous goals and objectives period but will also start a new environmental improvement cycle, with a baseline set (at the end of 2013) for new objectives and targets that are established by the company for air, water and waste by 2016.*

*The Williamsport plant also has an ISO 14001 program that supports the corporate reduction goals by setting specific environmental goals each year with a focus on making progress in reducing our waste, water, and energy footprint. The current 2014 yearly goals and objectives are:*

- *Maintain raw material waste sent to landfill at zero.*
- *Reduce trash compactor waste sent to landfill by 10%.*
- *Increase recycled content of product from 12.8% to 14%.*
- *Reduce energy consumption by 5%.*
- *Reduce water discharge to the Public Owned Treatment Works (POTW) by 25%.*



#### **Environmentally Preferable Products and Services**

*The siding products manufactured at the Williamsport plant have achieved Life Cycle Assessments that are published in BEES (Building for Environmental and Economic Sustainability). BEES measures the environmental performance of building products by using the life-cycle assessment approach specified in the ISO 14040 series of standards. All stages in the life of a product are analyzed: raw material acquisition, manufacture, transportation, installation, use, and recycling and waste management. This analysis is one of the most scientific ways of measuring the product's ecological impact.*



#### **Environmentally Preferable Purchasing**

### **Saint-Gobain's Supplier Charter**

*Saint-Gobain's Purchasing department includes in our suppliers' contracts a requirement that all suppliers abide by the Suppliers Charter. Excerpts that pertain to environmental practices are as follows:*

#### **Saint-Gobain Supplier's Charter Environmental Pertinent Sections**

*The financial, social and environmental requirements of sustainable development are fundamental elements in the strategy of the Saint-Gobain Group.*

*In addition to signing up to the UN's Global Compact, the Group has, since 2003, formalized its values through the General Principles of Conduct and Action applicable to all employees worldwide, and in doing so, confirmed its resolve to work towards responsible business growth. This is why the Saint-Gobain Group has decided to invite its suppliers of products and services and its subcontractors to take part in this process within their own sphere of action or influence. This is the purpose of the present Charter which Saint-Gobain asks its suppliers and sub-contractors to support.*

#### *Environmental protection*

*Suppliers and subcontractors approach environmental issues and responsible environmental practices with prudence. They implement policies on managing and improving their industrial processes which are designed to limit the environmental impact.*

*In particular, they strive in their respective domains to:*

- *optimize energy consumption with a view to contributing to the reduction of greenhouse gas emissions,*
- *optimize their consumption of natural resources,*
- *reduce the quantities of waste released and develop reclamation and recycling solutions, and*
- *reduce discharges into natural surroundings and other sources of pollution.*

*Suppliers and subcontractors encourage the development and distribution of environmentally friendly technologies and work towards achieving the targets listed above.*

*The principles described in the present Charter form the basis on which Saint-Gobain asks its suppliers and subcontractors to take part in a continuous*

*improvement process. Their level of commitment in this domain is, for the Group, one of the deciding factors in selecting suppliers.*

*This Charter is an integral part of the documentation handed out by the Corporate Purchasing and Procurement Department in support of its consultations and is intended to be included in the contractual documents.*

*The Purchasing Departments of Saint-Gobain Group entities will make sure that their suppliers and subcontractors fully understand and comply with the contents of this Charter. The Saint-Gobain Group expects its suppliers and subcontractors to be mindful that their own suppliers and sub-contractors enable them to clearly support the principles detailed in this Charter.*

*The Purchasing Departments of Saint-Gobain Group entities may be led, under certain circumstances, to take the measures they deem necessary to ensure full compliance with the Charter, notably by sending out questionnaires or conducting or having conducted audits at the suppliers' and sub-contractors' premises.*

#### **Saint-Gobain Wood Policy**

*Saint-Gobain also requires that timber used in their products or that is delivered to be used at, or sold by their facilities is legally harvested timber from non-threatened species in sustainable forests. This policy is in the process of being implemented globally and would apply to materials such as doors used in construction projects and pertinent wood pallets.*

*In order to ensure that procured timber and wood-derived products originate from legal and sustainable sources, Saint-Gobain requires each supplier to include the following information about their wood-derived products:*

- (i) a description of tree species used in the product;*
- (ii) the country of harvest;*
- (iii) OLB, TLTV, and VLO certificates of legality, and a copy of the FSC or PEFC certificate; and*
- (iv) where applicable, name of the operator who has supplied timber or timber products.*

*In addition, Saint-Gobain requires each supplier to warrant and guarantee that the timber has been legally harvested from non-threatened species in sustainable forests.*

*Additionally all stationary (i.e., business cards, marketing material, letterhead paper and envelopes) are printed on Forest Stewardship Council (FSC)*

*certified paper. Information about this initiative was first announced on Saint-Gobain's International EHS Day in 2008.*

*FSC is an international organization that promotes responsible stewardship of the world's forests. FSC certification provides a guarantee that paper and wood products are from well-managed, sustainable sources and have adhered to rigid environmental standards in all stages of logging, processing, transformation, manufacturing and distribution, from the forest right through to the end consumer.*



#### **Independently-Audited Environmental Management System**

*The Williamsport plant is currently ISO 14001 certified and has been since receiving our initial certification in 2010. The ISO 14001 Environmental Management System includes a strong focus of pollution prevention and environmental continuous improvement, consistent with Saint-Gobain's objectives and targets.*

### **Waste**



#### **Solid Waste Reduction and Reuse**

*1,236,000 lbs. has been kept out of landfills from 2010 to 2013 through recycling and reduction of waste, which exceeded our Williamsport plant's ISO 14001 goals for this activity annually during this 3 year period. This represents a total reduction of 63%. This performance included complete elimination of powdered raw material from the waste stream in 2013 which contributed 336,000 lbs. of this material to the savings. 50,348,000 lbs. of plastic has been reused in our product from 2010 to 2013, including 11,667,000 lbs. of externally sourced material.*

*Overall, projects that have focused on waste reduction strategies have been credited with saving our site at least \$600,000 over the past 3 years (2010 to 2013) in material savings and fee avoidance. The majority of this savings has been due to the reduction in raw material waste.*



#### **Recycling**

*1,420,000 lbs. of industrial and post-consumer waste and obsolete equipment has been sent to CertainTeed Williamsport plant's local recycler since beginning the program in 2011. Selling our recyclable materials has generated another \$90,000 in income from 2011 to 2013.*

## Energy



### Energy Efficiency

*The plant's CO<sub>2</sub> Emissions were reduced from 2010 to 2013 by approximately 18%. This reduction was attributed primarily to increased efficiencies through operation improvements and upgrades of equipment including motors and facility lighting.*

*Annual CO<sub>2</sub> emission levels are as follows for each year (from 2010 to 2013):*

- 2010 – 3.80 tons (metric)
- 2011 – 3.57 tons (metric)
- 2012 – 3.55 tons (metric)
- 2013 – 3.13 tons (metric)

## Water



### Water Conservation

*The total amount of water discharge reduction by the plant between 2010 and 2013 was calculated to be 5.7 million gallons. This represents a 32% reduction for the facility, with a peak reduction occurring in 2012 of 60%.*

*The plant measures and projects that generated these reductions included:*

- *Capturing formerly discharged cooling tower waste water and using it in a recirculation, chilled process water loop system.*
- *Capturing and storing water during plant shutdowns for future use, instead of discharging to sewers.*
- *Installed waterless urinals throughout the plant.*



*Help build a greener, more sustainable Maryland through voluntary practices that reduce environmental impacts and save money.*

*Learn more at [green.maryland.gov](http://green.maryland.gov)*

