

Corporate Sustainability Report

Delta Stone Products

For public Notice

2020

Corporate Sustainability Report

Delta Stone Products – reporting on the 2019 calendar year

# Energy Consumption

It is the goal of Delta Stone Products to have at least a 5% reduction in energy consumption per ton of stone produced over the 2018-2019 period, and a reduction for years following.

Delta Stone Products’ operations are fueled by four energy sources: Electricity, Diesel, propane and gasoline. Gasoline use is very minimal in comparison to diesel and propane, so gasoline consumption will not be discussed in this plan.

In view of the last five years, Delta Stone Products’ energy consumption per ton of stone produced peaked in 2016 and has declined since then. (energy consumption is measured in Million British Thermal Units, MMBTU’s, in the chart on the right).

Breaking down energy use by category, as seen in the chart below, we see that electricity and natural gas consumption account for the large majority of the energy inventory. This same allocation of energy sources has been consistent over the past two years that an energy inventory has been kept.

# Air Emissions

Delta Stone Products produces direct emissions in three categories: diesel exhaust, gasoline exhaust, and propane exhaust. Indirect emissions include those produced by electricity generation, upstream emissions from raw material quarrying and transportation, machinery and tool manufacturing and transportation, as well as employee commute to the workplace.

2019 Total Air Emissions

622 Tons CO2e

# Excess Process Material

It is the goal of Delta Stone Products to have a reduction in excess process materials generated and a reduction in solid waste generation per ton of stone produced over the 2018-2019 period, and a reduction for years following.

Sludge from processing operations consists of purely silt, or sand, and will be sold to construction companies to be used as bedding sand or to Mountain Valley Stone to be used as reclamation material in the quarry. Each time a load of this material is sold, it will be tracked by DSP’s office manager so that an annual quantity can be measured.

2019 Estimated Sludge Generation

2112 Tons

# Solid Waste

In 2019, Delta Stone Product’s total solid waste generation increased to 64.05 tons from 47.39 tons in 2018, which did not meet our reduction goal. This is most likely due to increased solid waste required for contracted jobs in which the purchaser specified large amounts of packaging materials. The most substantial portion of Delta Stone Products’ solid waste inventory is packaging from imported materials, including shrink wrap, metal banding, wire mesh and other palletizing materials. These sources of waste can best be mitigated by buying in bulk quantities. Other forms of solid waste, including office waste, are generated, but are minimal in quantity when compared to steel and packaging materials waste.

2019 Solid Waste Generation

64.05 Tons

2019 Recycled Solid Waste

12.42 Tons

In 2013, Delta Stone Products invested heavily in a technology upgrade, providing most employees with a mobile device of some sort so that paper was practically eliminated. This has reduced paper waste in the office drastically.

The largest quantity of replacements and most expensive good used in processing is the saw blades. Saw blades are made of solid steel with a diamond-composite tip. Because the diamond composite absorbs all the wear on these blades, there is an opportunity to re-tip the blades and save the expense and waste of the steel body. When blades are worn out, they are returned to the manufacturer to be restored and then used again. This practice will continue in Delta Stone’s operations, and other opportunities for restoration or recycling will be sought out continually.

# Chemicals

The safety and health of employees is of top priority at Delta Stone Products. In order to create a more environmentally friendly workplace and decrease the hazards posed to employees, the following chemicals were eliminated from operations in 2017. Processes have been adjusted or alternative chemicals have been identified as replacements.

Lifetime Waterproof Sealing

Carcinogenic

Touchstone Express II (Parts A & B)

Developmental Toxicity

Endocrine Disruptor

Toxic to reproduction

Reproductive Toxicity – Female

Historic Restoration Mortar

Carcinogenic to humans if inhaled

Persistent bio-accumulative toxin

Carcinogenic

Developmental Toxicity

Reproductive Toxicity

Known to impair fertility

Jasco Premium Paint and Epoxy Remover

Carcinogenic to humans

OSHA – cancer causing substance

Denatured Alcohol

Carcinogenic to humans

Developmental Toxicity

Rust-Oleum High Performance Enamel Aerosol (spray paint)

Reproductive Toxicity – female

Carcinogenic to man

Mutagenic to man

OSHA – cancer causing substance