

# Environmental Profile for Manufacturing LivingStone™ Solid Surface Products: Lion Chemtech (LCT) Plant



## Environmental Protocols

- Invest in the latest equipment and technologies to protect the environment
- Conduct an ongoing search for new technologies and methods to save energy and minimize waste
- Participate in all Environmental Agency programs and summits
- Use less raw material by recycling
- Work with local government to better the community

## Accomplishments

- ISO 9001 and 14001 certification
- ERP system implementation
- Recycling of waste from solid surface manufacturing is steadily increasing
- Joint development with a cement manufacturer to recycle solid surface manufacturing waste as filler
- Recycling of solid surface manufacturing waste in flooring material
- Education of plant personnel in energy and environmental safety
- Two third-party environmental and energy safety audits per year
- Water use reduced by 7% -10% annually through water recycling system and updated cooling system
- Steam use reduced by 23% compared to 2003
- Energy use reduced by 12% compared to 2003
- Solid waste generation reduced by 60% through recycling
- Air emission quality standards are consistently being improved

	2002		2003		2004	
	Std	LCT	Std	LCT	Std	LCT
Dust (mg/Sm <sup>3</sup> )	120	23	120	18	120	11
SO <sub>x</sub> (ppm)	300	89	300	55	300	17
NO <sub>x</sub> (ppm)	200	71	200	66	200	117
CO (ppm)	600	89	600	183	600	24

- Use of natural resources has consistently increased at a lesser rate than product output

	2002	2003	2004
Resource input, tons	2,837	3,233	4,631
Product output, tons	5,616	7,583	11,381
% of resources used	51	43	41

*Information above was compiled in 2006 by US Surface Warehouse from the most current data available and is accurate to the best of our knowledge. US Surface Warehouse assumes no responsibility for any damages incurred as a result of the use of this information.*