



2006 - 2007 Award Winners

The Business Recycler of the Year *Nissan North America, Inc. (NNA)*

Nissan North America, Inc. (NNA) owns and operates a manufacturing facility in Decherd, Tennessee. The Decherd facility manufactures automobile engines for Nissan's automobile assembly plants located in Smyrna, Tennessee; Canton, Mississippi; Mexico; and Spain. Operations at the Decherd facility include forging, machining, washing, assembly, testing, and material storage. These operations are conducted in a 1.1 million square foot building. Approximately 1,300 people are employed at the NNA Decherd facility and production operates seven days per week.

In March 2005, NNA Decherd recycled 80.3% of the waste materials generated at the facility. NNA Decherd committed to increasing this recycling rate to 92.8% for fiscal year 2006. As of October 2006, NNA Decherd recycled 95.2% of the waste materials generated at the facility. In 2005, the average amount of waste sent to the landfill by the NNA Decherd facility was 118 tons per month. As of October 2006, the average amount of waste sent to the landfill in 2006 was 14 tons per month, which equates to an 88% reduction of landfilled waste.

NNA-Decherd's comprehensive recycling program includes the following waste streams:

- Wood waste - mulch
- Used oil - recycling
- IWT concentrate - used oil recycling
- Cardboard and plastic - recycling
- Scrap metal - recycling
- Al and plastic drink containers - recycling
- Office paper - recycling
- Plastic buckets - employees
- PPE (gloves) - launder and reuse
- Waste solvents & gasoline - fuels blending
- Rubber mats & gaskets - rubber recycling

So far in 2006 NNA-Decherd's recycling program has diverted 1127 tons of waste from the landfill. Additionally, the NNA-Decherd facility has recycled over 8700 tons of scrap metal in 2006.

NNA Decherd implemented a cardboard and mixed plastic sorting program in 2005. As part of this program, employees working on the production line sort cardboard and plastic into lineside containers. Additionally, the in-plant janitorial contractor sorts cardboard and plastic from the

waste stream. Since the inception of this program, 390 tons of cardboard and 514 tons of plastic have been diverted from the landfill and recycled.

In 2006, NNA-Decherd implemented a plastic bucket giveaway program. Approximately 80 of these buckets are generated per week from sealer supplied for engine production. The buckets contain a liner, which is removed, leaving a clean bucket. Prior to implementation of the giveaway program, these buckets were sent to the landfill. Now the buckets are placed at employee entrances each Thursday for employees to take with them.

NNA-Decherd has approximately 1200 parts, which are provided by outside vendors and suppliers. NNA-Decherd has worked with the suppliers of these parts to use returnable packaging as much as possible. In situations where expendable packaging must be used, NNA-Decherd is providing guidelines to vendors and suppliers to make the expendable packaging recyclable so that it will not go to the landfill.

