



Lansing Delta Township

Vital Statistics:

Clean Corporate Citizen since 2003
MBP3 since 2003
LEED Certified Gold 2006

Operation:

Automotive Assembly and Stamping

Contact:

Jeff Hummel
(jeffrey.hummel@gm.com)
8175 Millett Highway
Lansing, MI 48917
Eaton County

“Every day we strive to build vehicles with the environment in mind,” said Scott Whybrew, Lansing regional plant manager. “The collaborative work by our employees has enabled us to achieve many environmental milestones, from being both LEED and Energy Star certified to developing an award-winning wildlife habitat program.”

As a responsible corporate citizen, GM Lansing Delta Township is dedicated to protecting human health, natural resources and the local and global environment. General Motors Lansing Delta Township Assembly is GM's newest plant in North America, blending the best practices and newest technology into one facility. GM Lansing Delta Township is 3.4 million square feet and employs approximately 3,600 team members. With over 110 years of automotive history in the Lansing Area, LDT is proud to be a community partner and a Gold Certified Leader in Energy and Environmental Design (LEED). LDT utilizes lean manufacturing techniques and an ISO14001 Environmental Management System to manufacture the Buick Enclave, GMC Acadia and Chevrolet Traverse.

GM LDT is ENERGY STAR® certified in 2011 and 2012. This means that LDT performs within the top 25 percent of all automobile manufacturing plants in the United States in energy efficiency. An ENERGY STAR® certified facility meets strict energy performance standards set by the EPA by using less energy, operating at a lower cost, and emitting fewer greenhouse gases than its peers. There were only 13 U.S. automotive manufacturing facilities ENERGY STAR® certified during 2012. Of the 13, only five were back-to-back ENERGY STAR® recipients in 2011 and 2012.

Energy Conservation

- Energy efficiency was designed into most systems, resulting in energy costs 45 percent lower than industry standards.
- Centralized Energy Management System monitors, tracks, and improves energy usage.
- Bright task lighting and lower overhead lighting levels reduced lighting energy used in the plant by 20 percent.
- The 1.5 million square foot roof is made of a special white polymer that reduces heat absorption, resulting in reduced costs to cool the building.
- Body shop robots work in the dark.
- Lighting casts downward to reduce light pollution.
- No ozone-depleting substances (CFCs, HCFCs or halons) are used in the building's heating and cooling.

Air Quality & Waste Elimination

- Reduced VOCs with powder prime & water-based color.
- Paint applicator cleaning solvent is recovered, cleaned, and reused.
- Improved paint spray efficiency with computer-controlled spray applicators.
- Lead-free primer eliminates a hazardous waste.
- Over 98 percent powder prime is reclaimed and reused in process; the remainder is recycled.



Water Conservation

- Non-manufacturing water use has been reduced by 45 percent, for a savings of over 4.1 million gallons of water annually.
- Rainwater is collected from the roof by a cutting-edge roof drain system. It is then stored in cisterns above restrooms and is used instead of potable water to flush toilets.
- Waterless urinals that use a filter-based technology save over 1 million gallons of water annually.
- Storm water at the site is managed through an innovative system that uses unpaved ditches and culverts. This system allows much of the water to be naturally absorbed into the soil and groundwater in the area, and filters out solids before water leaves the site.
- All landscaping work was done with native species or special adapted drought-resistant plants, eliminating the need for irrigation.

The General Motors Lansing Delta Township 75-acre wildlife habitat is certified through the Wildlife Habitat Council. Through its Corporate Lands for Learning and Wildlife at Work programs, General Motors and its many partners have preserved and restored the habitat in an effort to enhance native wildlife diversity as well as promote environmental stewardship among LDT team members and the community.

- 2006 Rookie of the Year
- 2008 Prairies For Tomorrow Award Nominee
- 2009 Eaton Conservation District receives Partner of the Year Award for its involvement with the LDT wildlife habitat
- 2011 Corporate Habitat of the Year Award Nominee
- 2012 Certified Monarch Way Station

GM LDT Community Stewardship and Awards

- 2011 and 2012 MDEQ Neighborhood Environmental Partner Award
- 2012 Arboriculture Society of Michigan Landscape Beautification Award
- Donated \$5,000 to Eaton Conservation District during 2012
- Donate \$2,000 to Eaton County Resource and Recovery Household Hazardous Waste Event
- 2011 "Woods and Water 5K raised more than \$1,500 for Eaton Conservation District
- MDOT Adopt a Highway - 94 bags of trash collected during 2012
- Michigan Forest Association Member