



2016 St. Louis Green Business Challenge

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Green Business Challenge at Mallinckrodt



- ▶ What makes Mallinckrodt's efforts unique?
 - ▶ 4 sites working toward improving their green initiatives
 - Hazelwood
 - Maryland Heights
 - St. Louis
 - Webster Groves

▶ 2013

▶ 2015



Employee Engagement



- ▶ Pilot EHS participation program
 - ▶ Lunch N Learns
 - ▶ Employee Surveys

Commuting Survey

Following is a short survey to understand how our employees get to work.

Location _____

1. How far do you travel to get to work (one way)?

- 0 to 5 miles
- 5 to 10 miles
- 10 to 15 miles
- 20 miles or more

2. How do you typically commute to work? (select one)

- Drive self/private car
- Carpool
- Bus
- [Metrolink](#)
- Bike
- Combination

Environmental Participation

▶ Examples of Environmental Activities

- ▶ Environmental Inspection, including offices
 - Each ComplianceWire Environmental Participation form will contain a link to the example inspection to be completed and submitted to your manager.
- ▶ Participating member of a Green Team (Setup events, establish recycling, reuse efforts, etc.)
- ▶ Submit idea to manager to improve my location's impact on the Environment
- ▶ Conduct/Sponsor Awareness Events (Earth Day, Spill Simulation, Recycling or Waste Pickup, etc.)

The schedule of Lunch & Learns is as follows:

- ▶ Wednesday, November 4, 2015: Project Monarch
- ▶ Monday, November 30, 2015: Winter Safety
- ▶ Wednesday, January 6, 2016: Transportation Compliance
- ▶ Wednesday, February 3, 2016: Process Hazard Analysis
- ▶ Wednesday, March 2, 2016: Severe Weather
- ▶ Tuesday, April 5, 2016: Mechanical Integrity
- ▶ Tuesday, May 3, 2016: Instrumental Safety Systems
- ▶ Thursday, June 2, 2016: Monarch Butterflies
- ▶ Wednesday, July 6, 2016: Electrical Classification & Pressure Relief Systems

Employee Engagement Continued



▶ Additional Activities

- ▶ Roadside Clean-Up
- ▶ Cardinals 4 a Greener Game
- ▶ Stream Team
- ▶ Teachers' Recycling



Earth Day



Earth Day : April 2015		Extension:
Ameren Missouri		
EarthWays Center		
Habitat for Humanity ReStore		
Hazelwood Green Team	FREE	
Heritage		
Kimberly Clark		
Midwest Recycle Center - MRC		
MO Botanical Gardens		
MO Dept of Conservation		
MODoHSS-Environmental Epidemiology		
MO Master Naturalist		
Ride Finders		
St. Louis Teachers' Recycle Center, Inc.		
Thermo Fisher Scientific		
Name :		Location :



TREE & SHRUB INFORMATION



Blackberry (*Rubus occidentalis*) provides erosion control, as well as wildlife benefits of food and cover. It can grow to be 10 feet tall in its maturity. This variety grows rounded canes up to 4 to 6 feet spread. The tops will sometimes die back in cold winters, but flowering is on new growth, so dieback or ground covering will not affect flowering. Flowers are white to pale pink. The large, red-green leaves turn yellow in the fall. Shiny, purple-red fruits are attractive to birds and people on the shrubs into late fall. The attractive blackberry grows well in partial shade and in a wide variety of soil types.



American holly (offered by nurseries) is an evergreen shrub for erosion control, wildlife restoration, and offers wildlife cover. It can grow to be 10 feet tall. The American holly is a shrub that has red berries, white flowers, and green leaves. It commonly grows in sandy soil and needs a moist site. This shrub is a good soil eroder and also suitable for growing around the water's edge and these are the best to use.



Loblolly pine (*Pinus taeda*) offers for windbreak, shade, and benefits a wide variety of wildlife. It can grow to be 100 feet tall and is native throughout the southern United States. The loblolly pine was introduced and grows well in southern Missouri. This is a fast growing pine that is an important timber tree for lumber and pulp. Loblolly is resistant to drought stress, the loblolly has orange needles and a large cone. It grows on a wide variety of sites including poor soil, sandy, and rich soil.



Shrub rose (*Rosa rugosa*) provides erosion control, wildlife cover, and offers wildlife cover. This shrub rose is a good soil eroder and also suitable for growing around the water's edge and these are the best to use.



Wild rose (*Rosa blanda*) provides erosion control, wildlife cover, and offers wildlife cover. This wild rose is a good soil eroder and also suitable for growing around the water's edge and these are the best to use.



Rosehip (*Rosa rugosa*) provides erosion control, wildlife cover, and offers wildlife cover. This rosehip is a good soil eroder and also suitable for growing around the water's edge and these are the best to use.



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Thank You!



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