

## **Attachment L**

# **Green Remediation Guidelines for Midland Area Soils Project**

## **Midland Area Soils Project Green Remediation Guidelines**

**Site Name:** Midland Area Soils

**Address:** Midland, Michigan

**Introduction:** These potential green remediation best management practices were developed for the Midland Area Soils project to promote environmental stewardship, identify strategies in regard to sustainability, and reduce the impacts the field activities may have on the environment and home owners. The following are potential best management practices for the project.

### **Fuels:**

- Use of low sulfur diesel in project equipment, off road diesel will not be used during the project.

### **Equipment:**

- Commitment to use Tier 3 and Tier 4 – diesel motors for the project (manufactured after 2006).
- Use of administrative controls during construction – no idling of equipment during construction activities to include trucks and heavy equipment.
- Evaluation of scrubbing system for diesel exhaust portions of the planned heavy equipment for the project.
- Commitment of the use of suitable sized equipment for the project.
- Commitment and tracking of routine maintenance on project equipment is being completed.

### **Administrative:**

- Procurement of vegetation and plants will be supplied by locally grown operation.
- Commitment to use local provider for sub contracted services including concrete, tree removal, trucking, and irrigation.
- Borrow pit source will be selected closer to the project but within or mandated radius criteria. Selected sources will be given preference over potential sources from greater trucking distances away.

**Waste Management:**

- Recycling: 99 per cent of the anticipated wastes generated during the remedy process will be recycled. The wood or tree's removed will be chipped and then staged for use.
- All new landscaping and perennial plants will be brought to the site in recyclable pots that will be collected and reused by the supplier.

**Project Controls:**

- Use of recycled newspaper as binder for hydroseeding portions.
- The remedy sites will be scheduled and implemented to avoid having multiple project sites with exposed soils.
- Use of best management practices to control track out and dust.
- Use of tarps on trucks during soil removal and borrow trucking to further manage dust and soil.
- Use of active dust management program during the project.
- Use of phosphate free fertilizers on any application that will be used on landscaping or lawns.
- Emphasis on removed soil as reused in the Dow Plant site to avoid managing these soils long term in a landfill.
- Use of sod as the preferred re-vegetation tool. Covers exposed soils and avoiding having soil and erosion management issues.
- Irrigation controls to include a rain sensor within the system to shutdown if it is raining to conserve water.
- Preprogramming irrigation system to only water at prescribed rates and times.