



An occasional publication of sustainability information useful for your project work

# AEC Sustainability Team News

## Flash: July 2011

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The information presented is summary in nature, presented to alert you to new sustainability initiatives. For more information, or to contribute information, contact one of the AEC Sustainability Team Members: Ken Birringer, David Karle, Mike Marengi, or Carol Simon.

### **NEW CONSTRUCTION AIR QUALITY SPECIFICATION AVAILABLE- USE IT**

A new specification section 01510 "Construction Air Quality" has been published and is to be used on all projects. It provides requirements for maintaining healthy air quality during construction including:

- HVAC air filtration
- duct protection
- exhausting temporary heat
- VOC use
- separating occupied spaces from construction areas
- scheduling construction activities to avoid air quality problems
- requirements for diesel exhaust (see article below)

01510 was specifically written to assist LEED projects in obtaining LEED point EQ 3.1, *but is intended for use on all projects.*

01510 is available at S:\Project Support\Specifications - AEC Masters, and from the AEC website.

### **BIO-DIESEL FUEL AND EXHAUST SCRUBBERS REQUIRED FOR ALL PROJECTS**

To reduce emissions and improve outdoor air quality, construction equipment on all projects must now use either B20 (20%) or B5 (5%) biodiesel fuel.

Additionally, diesel equipment utilized on projects for more than ten work days must utilize exhaust after-treatment devices ("scrubbers").

U-M specification section 01510 "Construction Air Quality" provides the requirements for biodiesel and scrubbers.

### **SUBMIT YOUR SID-D ENERGY REPORTS TO THE SUSTAINABILITY TEAM**

Reminder:

All projects over \$2M construction cost must submit an energy/water conservation report per design guideline SID-D.

All projects over \$10M construction cost must also submit an Energy Impact Statement. Refer to SID-D for details.

The AEC Sustainability Team requests that electronic versions of these reports be sent to us so that we can improve energy and water conservation efforts across projects. Please send your report copies to [aec.sustainability.team@umich.edu](mailto:aec.sustainability.team@umich.edu).

Note: It is not the intent of the Team to formally review these reports; that should be done by the respective Design Manager(s).

### **NEW FUME HOOD SPECIFICATION INCLUDES ENERGY SAVING RFV HOODS**

The Lab Sustainability Team, which includes members from AEC, OSEH, and Plant, with assistance from the A&E Architectural group, recently published a revised chemical fume hood specification 11610. It includes specifications and approved manufacturers for Reduced Face Velocity (RFV) fume hoods.

RFV hoods can reduce hood energy costs by 30% versus conventional hoods, *when circumstances allow their use*. Please consult the new specification for additional information and guidance.

Whether conventional or RFV hoods are being used, 11610 should be used as the basis for fume hood specifications on all U-M projects, designed outside as well as in-house.

Related Design Guidelines 11610 and 15910 are currently being revised as well, and will be published in the near future.

11610 is available at S:\Project Support\Specifications - AEC Masters, and from the AEC website.