



## Summer Break

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Each team should review trade group or industry recommendations pertaining to your favorite Best Management Practices (BMP) for references, standard drawings and Computer Aided Design (CAD) drawings, designs and specifications, operation and maintenance, training recommendations and cost information. Please compare and contrast your information with that in the Minnesota Stormwater Manual.

Following the Minnesota Stormwater Manual format (chapter 12):

- Does the BMP information need to be updated?
- Are there alternate designs that should be included?
- Are there additional construction notes or specific installation procedures that need to be better defined?
- Look at the maintenance section in Appendix D. Does that information need an update?
- Identify industry/professional group recommended (preferred) standards and specifications, training or certification.
  - Key inputs for Minimal Impact Design Standards (MIDS) calculator (see BMP diagrams in the calculator). For each BMP there will be a number of design elements (i.e. top width, bottom width) that need to be entered into the calculator. Make sure that any recommended design clearly identifies what the calculator needs for inputs.
  - updated construction details and specifications (CAD drawings)
  - restrictions and limitations
  - cold climate suitability/operation and maintenance
  - capital and operation expenses
  - training/certification available (industry, regional, University of Minnesota, other)
  - performance case studies (grey literature from Minnesota applications)

## Specific Team Assignments

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1. **Pervious pavement:** Summarize standardized industry recommended specs, training, operation and maintenance.
2. **Reuse Team:** Review Met Council's Reuse Report. Contact Karen Jensen for more information
3. **Dry Swales Team:** Review the University of Minnesota's Local Research Board study on swales.
4. **Urban Landscape:**
  - a. **Tree Trench Team:** How can integrate urban forestry into municipal public works and quantify best management practice reductions in runoff and loading including seasonal effects, tree species and age, street sweeping and residential support. Attempt to provide workable, realistic volume credits that most, if not all, parties can back and is scientifically defensible.
  - b. **Turf Team:** Turf runoff (University of Minnesota), soil augmentation, decompaction (University of Minnesota/Three Rivers Park District Study via the Minnesota Pollution Control Agency)
    - i. Long term studies (five plus years) with compost augmentation?
    - ii. Protect from compaction during site staging and measured compaction values.
    - iii. Landscaping Industry – installation, documenting locations (GPS) for cities, operation and maintenance.
5. Special thanks to the Calculator Committee (Mike Isensee, Chair) who will be compiling MIDS Beta notes, calculator hiccups and suggested improvements.