

RSMP Effectiveness Studies Workshop 1

Report-out for Topic Table _____ Bacteria _____

Proposal title(s):

- Incorporating Fungal Cultivation into Biofiltration Media for Water Quality improvements

Management action to test: Bacteria reduction for BMPs/Bioretenion soils

Effectiveness will be measured for (a) implementation, or (b) stress reduction, or (c) improving habitat

Summary of feedback given during the Topic Table discussions

Why are permittees interested in getting this info? How are they going to use it?

- Permittees are very interested in a BMP amendment that will treat bacteria. There are none/few management tools to control bacteria. All they have are source control actions.
- This appears to offer a non-proprietary option that cities/counties could even develop themselves that would be a low cost soil amendment tool for dealing with TMDLs.
- Cost benefit needs to be address for bacteria and management actions

What are the barriers or obstacles to getting the information, or concerns about its use? Is there anything missing?

- They'd like to see this combine with other proposals at the workshop. They'd like to see a field application that addresses performance over time and O&M needs to keep fungal activity alive.
- The current TAPE program doesn't allow BMPs to be tested for bacteria removal. This limits permittees assurance in tools available for treatment. The stormwater management manual also

How will you make this proposal regionally relevant and/or informative?

- Permittees would like to see fungal cultivation in several different types of projects (bioretention soils, other BMPs) around the region. Looking for a study design to test effectiveness, survival, O&M, at several sites. Would like to see in areas like ultra-urban or other tight land situations (road shoulders?).
- Provide a mechanism to become an implementation tool.

Who's participating in expanding this proposal for Workshop 2 on May 6? Who's lead? Who's missing?

- Fungi Perfecti have identified an optimum stormwater flow rate for at least one fungal species in controlled setting. They are looking for a partner and field sites to further explore this treatment option.

March 20, 2014