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**Passive
Treatment:
A Live
Demonstration**

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The Dilemma

- Muddy clayey soils
- Lots of exposed soil
- Active storm systems with no extended dry period
- No temporary erosion controls installed
- City is threatening violations and to notify the Water Board
- Running out of options!



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A Possible Solution

- We say possible, because the real problem was traditional BMPs were not installed per the SWPPP.
- Passive treatment is not a stand-alone BMP option
- But, the site was naturally configured for passive treatment and would have at least helped reduce turbidity.



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The Proposed Approach

- Apply PAM as a temporary erosion control / soil binder measure to areas of soil disturbance.
- Convert conveyance swales to treatment areas.
- Use the retention basin for sediment settling.
- Pump water through sand filters, if needed.
- Install traditional BMPs ASAP.



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The Demonstration

1. A bench-top demonstration
2. Land-applied PAM
3. Water-applied PAM



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