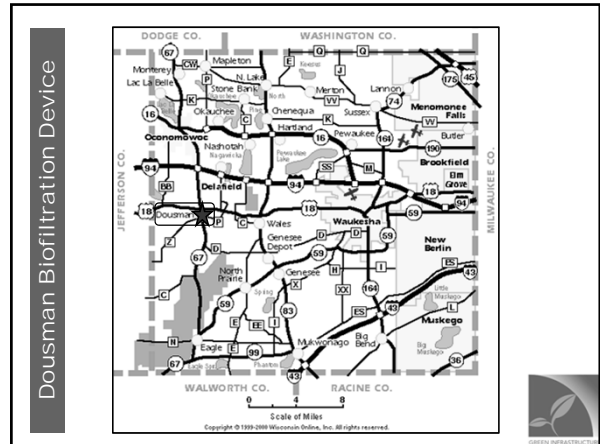


VILLAGE OF DOUSMAN BIOFILTRATION DEVICE

Mike Hallada
Ruekert & Mielke, Inc.

Ruekert • MielkeApril 14, 2016



Dousman Biofiltration Device

Current Conditions

- ❑ MS4 Permitted Community Since 2006
- ❑ Part of the Rock River TMDL


Existing Village Wide Reductions		Rock River TMDL Reductions Required from No-Controls	
TSS	Phosphorus	TSS	Phosphorus
37.7%	23.5%	77%	66%

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Dousman Biofiltration Device

WDNR UNPS Construction Grant


- ❑ Construction of Water Quality Facilities
- ❑ 50% DNR Cost Share
 - Reimbursable Cost Up to \$150,000
 - Additional \$50,000 for Property Acquisition



Applications Due April 15th

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Dousman Biofiltration Device



19 Acre Drainage Area
Mixed Land Use -
Mostly Commercial
and High Density
Residential

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Dousman Biofiltration Device



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Dousman Biofiltration Device

RESULTS

Biofilter Drainage Basin

55% Reduction in Total Suspended Solids or 3977 LBS

44% Reduction in Total Phosphorus or 8.75 LBS

Village Wide

2.7% Reduction in Total Suspended Solids

1.7% Reduction in Total Phosphorus



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Dousman Biofiltration Device



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Public Education and Outreach



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THANK YOU FOR ATTENDING!

QUESTIONS?

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