

Stormwater Ordinance Update



proud past, promising future

CLARK COUNTY
WASHINGTON



Introductions

Welcome new members:

Tim Dean

Joel Rupley

John DiVittorio

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Agenda

Member Updates

Recap of process so far

The Minimum Requirements

Exemptions and Exceptions

Applicability of the Minimum Requirements

Low Impact Development Approach

Next Steps

Public Comment

Adjourn

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Member Updates

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Recap of process so far.

The web site:

http://www.clark.wa.gov/water-resources/SWMP/sw_ordinance_update.html

Technical Advisory Committee Meetings

LID Research

13.26A and BMP Manuals

Ecology workshop coordination

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Expectations for tonight

Review material.

Questions and answers.

Feedback tonight and at the next meeting.

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The Minimum Requirements

NPDES Permit Appendix 1, pg 12 of 29

Ecology Manual, Volume 1, pg 2-15

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The Minimum Requirements

MR 1: Preparation of Stormwater Site Plans

40.380.060(B), (C), and (D)

MR 2: Construction Stormwater Pollution Prevention (SWPP)

40.380.050 and 060(E)

MR 3: Source Control of Pollution

40.380.040(B)(6)

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The Minimum Requirements

MR 4: Preservation of Natural Drainage Systems and Outfalls

40.380.040(C)(1)

MR 5: On-site Stormwater Management

40.380.040(C)(3)



The Minimum Requirements

MR 6: Runoff Treatment

40.380.040(B)

MR 7: Flow Control

40.380.040(C)

MR 8: Wetlands Protection

40.450 Wetland Protection

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The Minimum Requirements

MR 9: Basin/Watershed Planning

CCC 40.380.040(C)(5)(a)

Lacamas Lake nutrient control.

CCC 40.380.040(K) and (L)

MR 10: Operation and Maintenance

40.380.040(H)

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The Minimum Requirements

Optional Guidance

OG 1: Financial Liability

CCC 40.380.040(I), (J)

OG 2: Off Site Analysis and Mitigation

CCC 40.380.040(B)(2)

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Exemptions

CCC 40.380.030

NPDES Appendix 1, pg 1 of 29

Ecology Manual, Volume 1, pg 2-3

Handout



Exemptions

2. ...agricultural practices... and the construction of impervious surfaces...



Example

A new paved area associated with a agricultural operation.

Exempt?

Ecology

– Not exempt.

Current code

– Exempt.



Exemptions

8. ...construction of single family homes... on an existing lot within the rural area...



Example

A 5,000 SF house on a 1 acre lot platted last month in the rural area, including a 7,000 SF driveway and 15,000 SF of landscaping.

Exempt?

Ecology

– Not exempt.

Current code

– Exempt.

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Applicability of the Minimum Requirements

CCC 40.380.020

NPDES Appendix 1, pg 7 of 29

Ecology Manual, Volume 1, pg 2-8

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Applicability of the Minimum Requirements

Approach to revisions:

Start with permit language.

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Erosion Control

Existing

40.380.050 All projects

Ecology

MR 2 - All projects

Discussion

Threshold is unchanged, but requirements are much different.



Creation of Impervious Surfaces

Existing

NA

Ecology

2,000 SF or more of new, replaced, or new plus replaced impervious surface.

Discussion

MR's 1-5



Land-disturbing Activities

Existing

1 acre of land-disturbing activity without creation or replacement of impervious surface.

Ecology

7,000 SF of land-disturbing activity.

Discussion

MR's 1-5



Creation of impervious surfaces

Existing

2,000 SF Urban or 5,000 SF Rural

1,000 SF for specific activities listed in code

Ecology

5,000 SF new, replaced, or new plus replaced.

Discussion

MR's 1-10



Converting Pervious Surfaces

Existing

NA

Ecology

Converts $\frac{3}{4}$ acre or more of native vegetation to lawn or landscaped area, or converts 2.5 acres of native vegetation to pasture.

Discussion

MR's 1-10



Example

Project creates 4,000 SF of new impervious surface and 20,000 SF of landscaping in the rural area.

What MR's would apply?

Answer: MR's 1-5

(current only erosion control)



Example

Project creates 4,000 SF of new impervious surface and 5,000 SF of landscaping in the urban area.

What MR's would apply?

Answer: MR's 1-5

(current would include quality and flow control)



Example

Project creates 10,000 SF of new impervious surface and 5,000 SF of landscaping.

What MR's would apply?

Answer: MR's 1-10

(current no change)



Example

Project creates 0.9 acres of new landscaping where native vegetation currently exists.

What MR's would apply?

Answer: MR's 1-10

(current erosion control only)



Redevelopment

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Redevelopment - Replacing impervious surfaces – Road Project

Existing

5,000 SF or more of replaced impervious

Ecology

5,000 SF of new plus replaced impervious

AND more than 50% increase in area

Discussion

MR's 1-10 apply to new AND REPLACED impervious

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Redevelopment - Replacing impervious surfaces, non-road related project

Existing

5,000 SF or more of replaced impervious

Proposed

5,000 SF of new plus replaced impervious

AND value of the improvements exceed 50% of assessed value of existing improvements

Discussion

MR's 1-10 apply to new AND REPLACED impervious

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Redevelopment - Examples

Example

Commercial project with 1,000 SF of new impervious and 9,000 SF of replaced impervious surface. Improvements exceeds 50% of the existing assessed value.

What MR's would apply?

Answer: MR's 1-10 apply to new and replaced

(current would be similar)



Redevelopment - Examples

Example

Road project with 500 SF of new impervious and 10,000 SF of replaced impervious surface. Existing road segment is 20,000 SF.

What MR's would apply?

Answer: MR's 1-10

(current would be similar)



Low Impact Development

Proposed Approach:

Limit the scope and keep it simple.

No changes to other codes.

Focus on a few popular, well defined methods.

Address - design, construction process, maintenance, public education.

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Next Steps

Feedback on this material
Stormwater Treatment
Flow Control

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Public Comment

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Adjourn

Next meeting:

October 2, 2007

Public Service Center

6th Floor Training Room

6:00 pm to 8:00 pm

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