

STANDARD URBAN STORM WATER MITIGATION PLAN

DEVELOPMENT PLANNING

CHANGE SHEET (Revised)

Summary

The Change Sheet lists proposed changes to the Final Tentative - Standard Urban Storm Water Mitigation Plan, (December 7, 1999). In general, the proposed changes respond to commenters' suggestions on improving clarity, format, and implementability of the Standard Urban Storm Water Mitigation Plan.

Noteworthy changes include, the addition of a definition for 'storm event' and the requirement of professional registration for certifying persons under the "Alternative Certification" option. Two new references have been added to augment implementation guidance. These are, (i) National Stormwater Best Management Practices (BMP) Database, Version 1.0, and (ii) Denver *Urban Storm Drainage Criteria Manual, Volume 3 – Best Management Practices*.

In the Change Sheet, cross-reference to pages and paragraphs are for the 'Clean Version' dated December 7, 2000. New text added to a sentence is indicated by underline.

Background

1. Page 2 paragraph three, Clarify that a City has to adopt same requirements for the Citywide SUSMP

Sentence changed to read, "The Permittees are required to adopt the requirements set herein in their own SUSMP."

2. Page 2 paragraph 3, Delete reference to Urban Storm Water Mitigation to avoid confusion

Sentence changed to read, "Each Permittee will approve the project plan as part of the development plan approval process...."

3. Page 3 paragraph 2, Clarify the environmentally sensitive area category.

Sentence changed to read, "Location within or directly adjacent to or discharging directly to an environmentally sensitive area.

4. Page 3 paragraph 2, Make requirement applicable to stand-alone parking lots only

Sentence changed to read, "Commercial stand-alone parking lots 5,000 square feet or more...."

Definitions

5. Order definitions alphabetically

Definitions reordered alpha-numerically

6. Page 3, Modify definition of hillsides to add specificity.

Definition changed to read, "property located in an area with known erosive soil conditions, where the development contemplates grading on any natural slope that is twenty-five percent or greater."

7. Page 3, Delete exceptions in the definition of Automotive Repair Shop

Exceptions deleted, now reads, “Automotive Repair Shop” means a facility that is categorized in any one of the following Standard Industrial Classification (SIC) codes: 5013, 5014, 5541, 7532-7534, or 7536-7539.”

8. Page 3, Modify definition of 100,000 square foot commercial development for simplicity.

Definition changed to read, “any commercial development that creates at least 100,000 square feet of impermeable area, including parking areas”.

9. Page 4 , Add references for definition of environmentally sensitive areas

References added for Areas of Special Biological Significance and Area of Ecological Significance.

10. Page 4 , , Change definition to include a threshold trigger for requirements to apply to Redevelopment

Definition changed to read, “Redevelopment” means, on an already developed site, the creation or addition of fifty percent or more of impervious surfaces or the making of improvements to fifty percent or more of the existing structure. Redevelopment includes.....

11. Page 5 , , Change definition for Retail gasoline outlets to clarify ‘primarily engaged’.

Definition changed to read, ““Retail Gasoline Outlet” means a facility engaged in selling gasoline and lubricating oils, which derives more than fifty percent of its annual gross receipts from the sale of gasoline, lubricating oils tires, batteries, automobile parts and other automotive services.”

12. New Definition, Define a storm event

Defined storm event to mean, “a rainfall event that produces more than 0.1 inch of precipitation and that, which is separated from the previous storm event by at least 72 hours of dry weather.”

SUSMP Provisions Applicable to All Categories

13. Page 5, paragraph 3, Change sentence for clarity

Sentence changed to read, “...shall not exceed the estimated pre-development rate for developments where it is reasonably foreseeable that the increased peak storm water discharge rate will result in increased potential for downstream erosion.”

14. Page 5, paragraph 4, Delete text that makes act dependent on effort

Sentence changed to read, “Concentrate or cluster Development on portions of a site while leaving the remaining land in a natural undisturbed condition.”

15. Page 6, paragraph 1, Change sentence for clarity

Sentence changed to read, “...or the detectable inputs of the pollutant are at a concentrations or loads considered potentially toxic to humans and/or flora and fauna.”

16. Page 6, paragraph 2, Add reference

Added reference, “Denver *Urban Storm Drainage Criteria Manual, Volume 3 – Best Management Practices*”

17. Page 6, paragraph 3, Add text to enable BMP combination alternative

Added text to read, “However, it is possible that a combination of BMPs not so designated, may in a particular circumstance, be better suited to maximize the reduction of the pollutants”.
18. Page 6, paragraph 4, Delete text that is tentative

Text deleted to read, “Project plans must include BMPs consistent....”
19. Page 6, paragraph 4, Add text to promote use of natural drainage systems

Add text to read, “Utilize natural drainage systems to the maximum extent practicable”
19. Page 6, paragraph 4, Add text to minimize flow to natural drainage systems

Text added to read, “Control or reduce or eliminate flow to natural drainage systems to the maximum extent practicable”
20. Page 7, paragraph 2, Change sentence for clarity

Sentence changed to read, “Materials with the potential to contaminate storm water must be: (1) placed in an enclosure...”
21. Page 7, paragraph 3, Add text to exclude single family residences

Sentence added to read, “ Individual single family residences are exempt from these requirements”
22. Page 8, paragraph 1, Change text for clarity

Text changed to read, “The transfer of property to a private or public owner must have conditions...”
23. Page 8, paragraph 1, Add text to require maintenance inspection and record.

Sentence added to read, “The condition of transfer may include a provision that the property owner conduct maintenance inspection of all treatment control BMPs at least once a year and retain proof of inspection.”
24. Page 8, paragraph 3, Delete text for clarity

Text deleted, “~~each runoff event up to and including~~”, Now reads, “the 85th percentile 24-hour runoff event....”
25. Page 8, paragraph 3, Correct based on revised chart treatment volume from 85 percent to 80 percent.

Text changed to read, “to achieve 80 percent or more volume treatment....”
26. Page 8, paragraph 3, Change text for clarity

Sentence changed to read, “...runoff produced from a 0.75 inch storm event, prior...”
27. Page 8, paragraph 3, Change text for clarity

Sentence changed to read, “...volume of runoff produced from a historical-record based reference 24-hour rainfall criterion....”

28. Page 9, paragraph 2, Change text to offer partial credit for roofing surfaces diversion

Sentence changed to read, "A proportional area of roofing surface may be excluded..."

29. Page 9, paragraph 2, Change text for clarity.

Sentence changed to read, "storm water conveyance system does not directly discharge to a natural stream or channel segment scheduled for restoration".

30. Page 9, paragraph 3, Change text to clarify exemption from numerical standard only.

Sentence changed to read, "Restaurants, where the land area for development or redevelopment is less than 5,000 square feet, are excluded from the numerical BMP design standard requirement."

Provisions Applicable to Individual Priority Projects

31. Page 10, paragraph 2, and Page 12, paragraph 1, Change text to eliminate mandatory cover.

Sentence change to read, "...area must be self-contained and/or covered, equipped with a clarifier,..."

32. Page 12, paragraph 3, Change text for clarity.

Text modified to read, "...hydrocarbons that are deposited on parking lot surfaces by motor vehicles"

33. Page 12, paragraph 3, Add introductory text.

Sentence added to read, "To minimize the offsite transport of pollutants, the following design criteria are required".

Waiver

34. Page 13, paragraph 1, Add text for clarity

Text added to read, "...because an existing or potential underground source of drinking water..."

35. Page 13, paragraph 1, Change text to clarify that Permittee is petitioner.

Sentence modified to read, "Any other justification for impracticability must be separately petitioned by the Permittee and approved...."

Alternative Certification

36. Page 13, paragraph 1, Change sentences to require professional registration and recommend training verification.

Sentences added to read "...accept a signed certification from a Civil Engineer or a Licensed Architect registered in the State of California, that the plan meets the criteria." And, "The Permittee is encouraged to verify that certifying person(s) have been trained on BMP design for water quality, not more than two years prior to the signature date."

Suggested Resources

37. Page 15, Add reference BMP database and on-line Texas Non-point Source Book

Reference added, "National Stormwater Best Management Practices (BMP) Database, Version 1.0" ; and "Texas Non-Point Source Book".