CRS Documentation Checklist

Element SMR—stormwater management regulations

Activity 450 (Stormwater Management) of the Community Rating System (CRS) focuses on preventing increases in flood frequencies, durations, peak flows, sediment, and negative impacts on water quality. It is based on the principle that managing increases in stormwater due to changes in land use is best achieved on-site by the developer at the time of development, in combination with the community’s watershed-based efforts to prevent loss of life, property damage, and habitat destruction. These credited activities focus on preventing an increase in risk to existing structures, future structures, and the erosion and sedimentation of streams.

This checklist is provided to help communities submit the proper documentation to allow for verification of CRS credit for element SMR—stormwater management regulations, which includes sub-elements SZ, DS, LID and PUB. It does not include the documentation requirements for elements WMP, ESC or WQ.

* Size of development **(sub-element SZ)** is aimed at crediting the community for maximizing the types of development subject to on-site quantity control. (up to 110 points).
* Design storms **(sub-element DS)** looks at the storm events used by the community to determine compliance with their regulations for no increase in peak flow and/or volume caused by new development (up to 225 points).
* Low impact development **(sub-element LID)** credit is provided for requiring the use of LID techniques to the maximum extent possible to reduce all design storms from the site prior to providing detention to meet the standards (up to 25 points).
* Public maintenance of required facilities **(sub-element PUB)** ensures that the community has the right to inspect and force maintenance by private owners of storage facilities that were required to meet the requirements of SZ and DS (20 points).

The community must receive some credit for both SZ and DS in order to receive any credit for element SMR. For more details, refer to the 2017 *CRS Coordinator’s Manual,* the 2021 *Addendum,* and *CRS Credit for Stormwater Management*.

If you have any questions about this checklist, please contact your CRS Specialist.

**CRS Documentation Checklist**

**Element SMR—stormwater management regulations**

**[ ]  NEW APPLICATION** **[ ]  MODIFICATION** **[ ]  CYCLE DOCUMENTATION**

Provide this checklist and the following for each item checked:

[ ]  (1) A thumb drive with a searchable pdf of each document submitted including a short description of your regulations and when you require onsite detention or retention of increased flows. Note the file name and the appropriate pages and section numbers for each element; or

[ ]  (2) The URL for on-line documents with the appropriate pages and exact section numbers noted; or

[ ]  (3) A paper copy of the documents with the appropriate acronym marked in the margin were the requirements for sub-elements SZ, DS, LID and PUB are found.

|  |  |  |
| --- | --- | --- |
|  | **Stormwater Manager**  | **CRS Coordinator** |
| Name |  |  |
| Title |  |  |
| Phone |  |  |
| E-mail |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
|  Form Completed By:  |   | Date:  |   |

Comments:

**Credit Criteria and Documentation**

Credit criteria for this element are described in detail in Section 452.a of the 2017 *CRS Coordinator’s Manual*. There is no need to submit more than one copy of a design manual or regulatory section if it can be used to document separate sub-elements. Instead, in each section clearly indicate where to find the desired criteria, SZ, and exemptions, for instance. Submission of a short, written description of your program detailing what developments are required to provide onsite control and the standards they must meet to show compliance is helpful.

1. SZ documentation

List the regulation or design manual name and section or page number that shows:

* The kinds of development that are regulated (i.e., size of development or disturbed area that triggers stormwater management requirements).
* The kinds of development that are exempt from the requirement (e.g., single-family development, developments less than 1 acre, etc.).

|  |
| --- |
| *Example: Code of Ordinances, Section 106-28.a (reference to stormwater manual); Stormwater Manual, Section 8-5.1 (trigger) and Section 8-6 (exceptions) These sections require that on-site detention be provided for all development larger than one acre..* |
|  |

Have you attached a copy of the regulation or design manual with the above referenced sections highlighted? Yes / No. The CRS must be able to search and mark on this copy of the document.

If your stormwater management regulations are available online, provide the website below.

|  |
| --- |
|  |

If any development larger than 5 acres or new impervious surface greater than 20,000 square feet is exempt from stormwater management regulation there is no credit, i.e., SMR = 0.

2. DS documentation

Attach a copy of the regulation or design manual that describes the event(s) the developer’s engineer must use to demonstrate that the post-development flow will be no greater than the pre-development flow for the area being disturbed. If you do not require control of the 10-year

or less-frequent event on-site, there is no credit. Highlight the specific requirement and give the exact location of the requirement below.

|  |
| --- |
| *Example: Section 16.7.A of the Land Development Code requires that peak flows for the 10-year event must not be increased.* |
|  |

If the design storm is less than the 10-year event there is no credit, SMR = 0.

|  |
| --- |
| Yes/No |

1. Do you allow the use of the Modified Rational Method to design detention facilities for development greater than one acre in size?

3. Required Examples

 Attach excerpts from five drainage reports prepared by the developer’s engineer. These reports must show that the post-development flows for each required design event are no greater than the pre-developed flows for the area being disturbed. There must be a clear description of the pre-development peak flows in comparison to the post-development peak flows for each required event. Copies of the actual models or plan sheets are unnecessary. Excerpts should include

* Name of development,
* Date of the report,
* Size of the development, and
* Pre-development and post-development flow rates (preferably in a table).

4. LID documentation

Attach a copy of the regulation that requires all new development subject to onsite flow controls to utilize low-impact development techniques to the maximum extent possible before the design of a retention pond or detention pond to reduce flows to meet your flow control standards credited in DS.

|  |
| --- |
| *Example: Section 16.7.A of the Land Development Code* |
|  |

5. PUB documentation

Attach a copy of the regulation that allows the community either to enter all stormwater storage facilities required by the regulations and repair them whenever necessary or to require the owner to do so.

|  |
| --- |
| *Example: Section 16.7.A of the Land Development Code* |
|  |