# Appendix B. Sample Maintenance Management Plan

| City of Toledo Stormwater Credit Program Maintenance Management Plan | | | | | | |
| --- | --- | --- | --- | --- | --- | --- |
| Owner Information | | | | | | |
| Date:*1/1/2015* | | | | | | |
| Company Name: *ABC Company* | | | | | | |
| Contact Name: | | | | | | |
| Email: | | | | Phone: | | |
| Mailing address: | | | | | | |
| City: | | State: | | | ZIP Code: | |
| Stormwater/Water Account Number: | | | | | | |
| site Information | | | | | | |
| Name: *ABC Building* | | | | | | |
| Property address: *10 Elm St.* | | | | | |  |
| City: | State: | | | | ZIP Code: | |
| Current ERUs: *5* | | | Current Credit (%): *50%* | | | | |
| Total Area of Property (Square Fee): *20,000* | | | Total Impervious Area of Property (Square Feet):  *12,500* | | | | |

**Description and operation of stormwater management practice currently receiving credit (attach photographs and diagrams):**

*Extended detention stormwater basin, with permanent pool forebay, grass sides and bottom, 12” inlet pipe, 6” perforated underdrain, outlet manhole with 4” orifice and overflow grate, and 12” outlet pipe.*

*All stormwater runoff from site, including rooftop and parking lot flows to basin, either overland or through 12” storm sewer from parking lot catch basin. Flow from the 12” inlet enters the forebay where debris and silt is supposed to be trapped before overflowing into the larger basin. The first flush (3/4” of rain) will fill the bottom of the basin before reaching the 4” orifice into the outlet manhole. The basin will continue to fill to the 25-year level before overflowing into the outlet catch basin. Flow from the outlet catch basin is through a 12” sewer to the City main sewer.*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Credit Option Practices | Available Credit | Impervious Area Tributary to Practice (Square Feet) | Percent of Property Impervious Area Tributary to Practice (%) | Total Credit for Practice  (%) |
| 1. Detention/Retention | 30% | *12,500* | *100%* | *30%* |
| 1. Swales/Bioswales/Bioretention Cells | 30% |  |  |  |
| 1. Wetpond & Extended Detention | 30% | *12,500* | *100%* | *30%* |
| 1. Riparian Setback/Forested Buffer | 30% |  |  |  |
| 1. Grass Filter Strip | 20% |  |  |  |
| 1. Direct Discharge | 10% |  |  |  |
| 1. Industrial NPDES | 10% |  |  |  |
| 1. Open-Channel Maintenance | 30% |  |  |  |
| Additional Credit for Priority Area | 10% |  |  |  |
| 1. Total Credit for Property | 50% | ----------------- | ------------------ | *50%* |

**Required Maintenance Activities:**

*Debris removal – clean litter and debris from basin on a monthly basis.*

*Mowing – mow sides and bottom of basin as needed in growing season to keep grass below 6” long. Forebay area may be mowed less frequently when conditions allow.*

*Check and clean outlet structure – at least twice a year, and after storms exceeding 1.0” check the outlet manhole for debris and remove any debris. Pay particular attention to the orifice in the outlet structure which will be prone to plugging.*

*Sediment removal – every two years remove built up sediment from forebay area and bottom of basin.*

**Maintenance Records:**

|  |  |  |
| --- | --- | --- |
| Enter Date of Maintenance Activity and Initial Below Each Activity | | |
| *Remove debris from basin (monthly)* | *Mow basin (as needed in growing season)* | *Check and clean outlet structure and orifice plate (twice per year and after each storm over 1.0”)* |
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