# Green Star Short Report Round [1/2]

Ensure all prompts shown in Blue text have been responded to.

Green Star – Office Design v3

Credit: Emi-5 Stormwater

Project Name: [name]

Project Number: GS- [####]

Points available: 3 Points claimed: [1-3]

*NB: this Short Report template has been written in accordance with the updated Stormwater Credit which came into effect for projects registered after 1 January 2011. Projects registered before this date, have the option to use this version of the credit.*

1. Description of site prior to purchase (but not more than ten years prior to site purchase)

[Describe whether the site was: a greenfield or brownfield site, whether it contained any buildings; the footprint of any pre-existing buildings on the site; the land types that were present on site in accordance with Eco-4 Change of Ecological Value Calculator; the areas that existed in a radius less than 100 metres around the site; and evidence of site purchase with the date and any relevant site attributes]

[Insert hyperlinks to documents which support these claims. Check Compliance Requirements for appropriate documentation depending on when site was purchased by the current owner]

1. Average Recurrence Interval

The post-development peak 1.5 year Average Recurrence Interval (ARI) event discharge from the site does not exceed the pre-development 1.5 year ARI event discharge.

Table ARI event discharge

|  |  |
| --- | --- |
| 1.5 year ARI post-development discharge |  |
| 1.5 year ARI pre-development discharge |  |

[Insert hyperlinks to documents which support these claims]

1. Pollution Reduction Targets

Using the pollution reduction targets listed in Table 3, the project has been able to meet the reduction scenario [A, B, or C]. [If scenario C has been targeted using treatment that does not contain biological treatment, ensure that Section 5 ‘Non-biological treatment’ is completed.]

Table Pollution reduction targets

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Pollutant | Reduction Target (% of the typical urban annual load). | | | |
| A | B | C | Project Performance |
| Total Suspended Solids (TSS)1 | 80% | 80% | 90% | **%** |
| Gross Pollutants | 85% | 90% | 95% | **%** |
| Total Nitrogen (TN)2 | 30% | 45% | 60% | **%** |
| Total Phosphorus (TP)2 | 30% | 60% | 70% | **%** |
| Total Petroleum Hydrocarbons3 | 60% | 90% | 90% | **%** |
| Free Oils3 | 90% | 90% | 98% | **%** |

1Load based on the following particulate size distribution (by mass): 20% <20 µm; 20% 20-60 µm; 20% 60-150 µm; 20% 150-400 µm; 20% 400-2000 µm

2Load include particulate and dissolved fraction.

3This requirement is not applicable where the site contains less than a total of 200m2 of uncovered areas where vehicles are likely to transit and/or park e.g. roads, loading docs, refuelling bays, car parking ect.

1. Methodology used to calculate stormwater treatment performance

[Outline the methodology used to calculate the stormwater treatment system’s performance. Specifically, outline:

* Software or calculation method used;
* Pollution export modelling results; and
* Data sets and tables that were applied.]

1. Non-Biological treatment

[Describe how the Pollution Reduction Targets are achieved and verified]

[Insert hyperlinks to documents which support these claims]

1. Stormwater management strategies
   1. Pre-development site usage

[Describe the pre-development site usage and any changes to the impervious area of the site.]

* 1. Strategy for addressing stormwater

[Describe: the quantity of stormwater capture and used on-site (annually); the water balance and total storage capacity of any systems that use stormwater on site; the quantity of stormwater discharge to be addressed by each stormwater treatment system (annually); and the sizing of all stormwater treatment systems installed.]

* 1. Achievement of Pollution Reduction Target

[Outline the methodology used to achieve the Pollution Reduction Targets outlined in this report. Compare the outputs from the modelling undertaken with the targets in Table Emi-5.1 of the credit]

* 1. Management of hydrocarbons and free oils

[Where relevant, outline the total area (m2) of uncovered areas where vehicles are likely to transit and/or park. For example, roads, loading docks, refuelling bays, car parking etc. Then outline how hydrocarbons and free oils will be managed]

Therefore, as demonstrated in sections 1 to 6, this project is eligible to achieve [1-3] point(s) for reducing peak stormwater flows and protecting receiving waters from pollutants.

## Discussion

[Insert any issues you would like to highlight and clarify to the Assessment Panel.]

Author Details:

[Insert name, position and contact details of author]

[Date]

––– **Report end** –––