fire protection testing water

## CREDIT 20

## INDIVIDUAL BUILDING PORTFOLIO

## PROJECT NAME: [NAME]

## PROJECT NUMBER: GS- [####]

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| TOTAL POINTS AVAILABLE: | 2 | POINTS CLAIMED: | [#] |

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| No. | **Type** | **Criteria** | **Description** | **Claimed** |
| 20.1 | **Action** | **Testing regimen** | **1 point** is available where a monthly testing regimen in line with a recognised standard is adopted for all water-based fire protection systems. | [#] |
| 20.2 | **Building** | **Potable water use for testing** | **1 point** is available where no potable water is expelled to sewer during the testing and maintenance of fire protection systems. | [#] |
| 20 | **N/A** | **Not applicable** | Where the building seeking Green Star certification does not have water-based fire protection systems, both criteria in this credit can be claimed as ‘Not Applicable’.  (Please skip to the Declaration section of this Submission Template) | **[N/A]** |

# Project-specific technical questions

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| There are no project-specific technical questions for this credit. |  |
| There are project-specific technical questions for this credit and all responses received from the GBCA are attached. |  |

20.1 testing regimen

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| The project achieved one (1) point in the previous Certification and **no changes** have been made to the building or testing regimen during the performance period, the scope and content of the compliance requirements can be considered to be met.  ***Complete section 20.1.3 only.*** |  |
| The project achieved one (1) point in the previous Certification and **changes** have been made to the building or testing regimen during the performance period that have had an impact on the metering provided to monitor building energy and water consumption.  ***Complete sections 20.1.1 and 20.1.2.*** |  |
| One (1) point was not targeted / awarded in the previous Certification.  ***Complete sections 20.1.1 and 20.1.2.*** |  |

### 20.1.1 Recognised standards

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| The monthly fire system testing regimen is in line with the following standard: | |
| AS 1851-2012 Maintenance of Fire Protection Systems and Equipment; or |  |
| AS 1851-2005 Maintenance of Fire Protection Systems and Equipment (incorporating Amendment 2 May 2008). |  |

### 20.1.2 Testing regimen

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| **20.1.2.1** Fire protection systems testing have taken the following steps to omit weekly testing, and instead test on a monthly basis. |  |
| Describe and verify how the project has taken steps to be inline with AS 1851-2012 (or AS 1851-2005).  Reference supporting evidence attached to the submission demonstrating that each of the requirements has been carried out. | |

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| **Requirements** | **Supporting Evidence** | |
| a. The main stop valve is Class B monitored at the building CIE, or in accordance with AS 2118.1; or  The control assemblies are located in a locked cabinet, locked cage, or within a locked room used for no other purpose; or the control assemblies form part of a combined sprinkler and hydrant system, and are located in fire-isolated stairwells. |  | |
| b. Water Supply valves are secured in the open position, with the main stop valve strapped and padlocked, and all other valves chained and padlocked. |  | |
| c. Where required to minimise unwanted alarms, systems incorporate an automatic installation jacking pump or retard chamber. |  | |
| **20.1.2.2** Pump set systems comply with AS 2941-2002 and incorporate the following steps to omit weekly testing, and instead test on a monthly basis. | |  |
| Describe and verify how the project has taken steps to be inline with AS1851-2012 (or AS1851-2005) for the testing of compression ignition engine driven pumps.  Reference supporting evidence attached to the submission template demonstrating that each of the requirements has been carried out. | | |
| a. The main stop valve is Class B monitored at the building CIE, or in accordance with AS2118.; or  The control assemblies are located in a locked cabinet, locked cage, or within a locked room used for no other purpose. |  | |
| b. Starting battery-charging circuit monitoring incorporating local aural and visual alarms at the pump controller. |  | |
| c. Low fuel level monitoring, incorporating local aural and visual alarms at the pump controller. |  | |

**20.1.3 Testing regimen (Recertification only)**

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| **Requirements** | **Supporting Evidence** |
| Applicants must demonstrate that the testing regimen has been undertaken during the previous performance period. |  |

Identify where this information can be found within the supporting documentation provided.

|  |  |
| --- | --- |
| **Supporting Documentation**  (Name / title / description of document) | **Reference**  (Page no. or section) |
| [####] | [####] |
| [####] | [####] |

### DISCUSSION

Outline any issues you would like to highlight and clarify with the Certified Assessor(s).

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20.2 potable water use for testing

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| The project achieved one (1) point in the previous Certification for **20.2.1** and **no changes** have been made to the building during the performance period, the compliance requirements can be considered to be met.  ***No further information is required for this criterion.*** |  |
| The project achieved one (1) point in the previous Certification for **20.2.2 or 20.2.3** and **no** **changes** have been made to the building during the performance period, the applicants are required to demonstrate that a minimum of 80% of water used for fire systems testing and maintenance has been reused or stored for other purposes.  ***Complete sections 20.2.2.1 or 20.2.3.1.*** |  |
| One (1) point was not targeted / awarded in the previous Certification or changes have been made to the building during the performance period.  ***Complete section 20.2.1, 20.2.2 or 20.2.3.*** |  |

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| Select the compliance pathway used and complete the corresponding section below. | **20.2.1** Systems that do not expel water for testing; |  |
| **20.2.2** Reuse of fire system testing water; or |  |
| **20.2.3** Green Star Certified fire protection system. |  |

### 20.2.1 Systems that do not expel water for testing

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| Fire systems do not expel water for testing. |  |

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| Show that the installed systems expel no water for testing and maintenance and reference supporting evidence attached to the submission template. | |
| **Requirements** | **Supporting Evidence** |
| Describe in detail how the system works. |  |

### 20.2.2 Reuse of fire system testing water

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| A minimum of 80 % of fire systems test water is captured and reused. |  |

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| Verify that fire systems test water is captured and reused and reference supporting evidence attached to the submission template demonstrating how the requirements have been met. | |
| **Requirements** | **Supporting Evidence** |
| Describe in detail how the system works, (including details of how water is reused). |  |

**20.2.2.1 Testing capture (Recertification only)**

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| **Requirements** | **Supporting Evidence** |
| Demonstrate that a minimum of 80% of water used for fire systems testing and maintenance has been reused or stored for other purposes. |  |

### 20.2.3 Green Star Certified Fire Protection System

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| The building has a certified Green Star As Built rating. |  |

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| The building seeking Green Star – Performance certification is already certified under one of the Green Star As Built rating tools, and at least one (1) point was achieved in the relevant ‘Fire Protection System’ credit. | |  |
| Describe how temporary storage for 80% of the routine fire protection system test water is reused. |  | |

**20.2.3.1 Testing capture (Recertification only)**

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| **Requirements** | **Supporting Evidence** |
| Demonstrate that a minimum of 80% of water used for fire systems testing and maintenance has been reused or stored for other purposes. |  |

Identify where this information can be found within the supporting documentation provided.

|  |  |
| --- | --- |
| **Supporting Documentation**  (Name / title / description of document) | **Reference**  (Page no. or section) |
| [####] | [####] |
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### DISCUSSION

Outline any issues you would like to highlight and clarify with the Certified Assessor(s).

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# DECLARATION

I confirm that the information provided in this document is truthful and accurate at the time of completion.

Provide author details, including name, position and email address:

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Click here to enter a date.