

# Building Plumbing Inspection

## Prepare a Domestic & Commercial Building Plumbing Inspection Report

This unit specifies the skills required to prepare, participate and report for a domestic plumbing inspection report.

This unit addresses the outcomes of the inspection report reviewing inspection documentation, identifying and preparing inspection checklists and report related documentation.

In addition, this unit provides for recommendations from the Inspection Report based upon a demonstrated knowledge of environmentally efficient plumbing.

It is a pre-requisite that all participants seeking *accreditation* in any 'Course in GreenPlumbers Environmental Solutions' are required to be licensed and or recognized as a plumber by the Authority Having Jurisdiction.

**Nominal Hours – 4**

## Performance Criteria

Performance criteria specify the level of performance required to demonstrate achievement of the element.

### 1. Prepare for a domestic plumbing inspection report

- 1.1 Plan the outline of the inspection report (audit) process
- 1.2 Review tools or supplies necessary to undertake audit
- 1.3 Develop inspection checklists to reflect the scope and objectives of the inspection report
- 1.4 Confirm schedules and logistical arrangements with the customer
- 1.5 Determine water, sewer and energy (nat. gas, electric, LP or fuel oil) rates in the area
- 1.6 Determine utility or governmental rebates available in the area

### 2. Undertake a domestic plumbing inspection report

- 2.1 Describe the auditing process by completing the scope and objectives of an inspection report.

### 3. Perform Calculations

- 3.1 Review audit methods and techniques in order to analyse relevant information
- 3.2 Report existing customer habits, trends and patterns of water and energy use and identify areas outside the normal patterns of usage
- 3.3 Apply the principles of calculations and utility costs of water and energy
- 3.4 Calculate the potential water and energy volume and dollar savings in a household
- 3.5 Read and interpret a conversion chart

### 4. Develop product knowledge and recommendations

- 4.1 Illustrate knowledge of *water and energy efficient plumbing products*
- 4.2 Compose a systematic list of recommendations for domestic home improvements
- 4.3 Recommend an appropriate energy or water cost efficient strategy to the client.

**5. Monitor and review inspection report system and activities**

- 5.1 Initiate installation of water and energy efficient products
- 5.2 Schedule future installations to complete efficiency plan
- 5.3 Encourage property owner to monitor water, sewer and energy use to verify efficiencies.