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The below answer sheet is for your own self-assessment.  
Please keep your completed questionnaires and answers on file for your record.  
These do not need to be sent to CPD Live. CPD-Live will send you certificate.

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## **DISCOVERING INGROUND PUMP STATIONS - A GUIDE FOR SPECIFIERS**

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**Saniflo**  **SFA**  
GROUP

1) What are Inground Pump Stations and what are they used for?

Inground Pump Stations are systems that integrate tanks or chambers with submersible pumps and control equipment, and are installed underground. They are designed to receive waste from plumbing fixtures before transferring it to drains or septic/treatment plants.

2) What types of projects require Inground Pump Stations?

Inground Pump Stations are required on projects involving large catchments, and also in cases where the residence/construction sits below street level

3) Explain the reasons behind the recent increased prevalence of Inground Pump Stations in Australian residential settings?

Population growth in Australian cities has led to urban consolidation and increased housing density. Land that was previously not built on – and requires an Inground Pump Station because of its positioning in relation to the road – is now being used for granny flats or subdivision.

4) Do Inground Pump Stations cause plumbing problems in cases where there is a power outage or a blockage occurs?

No, If there is power failure, waste is stored inside the pump station allowing continued use of essential plumbing fixtures until electricity is restored. Similarly, if there is a blockage on the discharge line, plumbing fixtures can continue to be used as waste rises inside the pump. Alarms are activated and a plumber can be called.

5) Outline the regulations governing the installation and operation of inground pump stations in Australia.

In Australia, Inground Pump Station tanks must comply with AS1546.1:2008 which covers septic or waste treatment plants. Requirements in this standard cover the design, performance, material composition, manufacturing and testing methods for each type of tank.

6) For which of the below projects would an Inground Pump Station be suitable?

***b - A new granny flat, built behind an existing house on flat ground***