

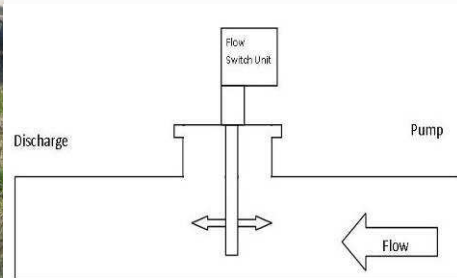


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# ENVIRONMENTAL INITIATIVE



## WW Overpumping discharge Flow Switch System



### What is the initiative?

A flow switch connected to discharge line on an electric pump to alert if pump or pipework fail. Being used on Grafton PS110.

### How was it identified?

There was a need to know if any of the discharge pipes had failed and were leaking.

A flow switch placed in a T Junction and connected into the pipework at the end of the discharge pipework.

The unit lets us know when there is no flow. The flow switch is adjusted to the flow from the pump and is wired into the GPRS alarm unit. The company who monitors the alarm unit will call the on call number if flows have not been recorded for a predetermined amount of time.

### Benefits and future plans

- Will alert if pump is blocked or pipe has failed or pump has shut down
- Can be used to measure any potential discharges

- Reduces the cost of security guards monitoring (currently 4 checks per night)