

Dover Water Cycle Strategy Dover District Council

Identifying potential water related issues in the Dover district area



In preparing its Core Strategy Delivery Plan, Dover District Council considered a growth target of at least 10,100 new homes between 2006 and 2026, to meet the development identified in the South East Plan required to stimulate economic growth and improve the quality of life in the area. The purpose of the Water Cycle Study was to identify any water related issues that present significant obstacles to the success of development in the Dover district area and where and when these issues may occur.

The study examined how much growth could be accommodated within the existing infrastructure and whether sufficient water resources would be available to supply forecast demand, how much growth the existing drainage and wastewater treatment works can accommodate, and whether or not the streams, rivers, and coastal waters in the

area have sufficient capacity to meet any additional discharges, or varied discharge concentrations without water quality deterioration.

No ultimate constraints and barriers to proposed growth were identified with regard to the water and wastewater infrastructure and services, despite limitations on the water supply. The Environment Agency identified that there is no more water available for extractions from the groundwater sources supplying public drinking water. The water companies have indicated that future demand can be met through their twin track approaches for supplying water,

which include demand management techniques, reduced leakage and increased efficiency of water treatment works. Investment in wastewater treatment is managed in five year cycles and therefore the proposed growth targets can be managed more easily.

Potential phasing issues were identified if the uptake of water efficiency measures is lower than anticipated (and therefore the water demand increases above existing levels) and also due to the requirement to provide significant improvements in the sewer network in Dover Town and Whitfield.

