

1 Executive Summary

I am pleased to report that the quality of water supplied by Jersey Water in 2007 was of a very high standard. Overall, the quality of the water supplied was 99.86% compliant with the drinking water standards required by the Water (Jersey) Law 1972.

The Company supplied 7,182 million litres of drinking water to its customers, which represents an average of 19.7 million litres per day.

During the year, 18,323 analyses were undertaken to measure the physical, microbiological and chemical parameters within the water supplied. Whilst 26 analyses failed to meet the standard, 23 of these failures were due to nitrate. However, dispensations are in place for this eventuality as the Company has no control over the nitrate levels in our water resources. Only 3 failures were due to microbiological parameters and all of the immediate follow up testing proved to be negative.

During 2007 there were no breaches of the pesticide limit of 0.1 mg/l in treated water.

The monitoring programme for water quality and the respective parameters analysed during the year were approved by the States of Jersey Planning & Environment Department; which is a requirement of the Water (Jersey) Law 1972. The approved programme is broadly in-line with the requirements of the Water Supply (Water Quality) Regulations 2000 for England and Wales.

Since the majority of water resources in Jersey are surface derived, Jersey Water has an extensive monitoring programme of streams, intakes, reservoirs and throughout the treatment processes. In addition to laboratory analysis Jersey Water has a number of on-line quality monitoring equipment installed at strategic raw water resource sites and treatment works. This provides real-time information on water quality and is of great assistance to operating staff in both selecting and blending waters to optimise water treatment and provide the highest quality water.

The quality of the water supplied was 99.86% compliant with the drinking water standards required by the Water (Jersey) Law 1972.

The first quarter of 2007 proved to be very wet, with average rainfall some 60% above the average. Whilst this is good news for water resources, the timing is not good for increased run off when nitrates are being applied to the ground. Nitrate levels in all water resources across the Island exceeded the 50 mg/l limit and with rainfall above average for most months of the year, nitrate levels remained higher than normal throughout this period. However, through effective blending and selecting the best quality raw water resources, the maximum level of nitrate in supply was 57.7mg/l, well within the dispensation limit of 70mg/l as allowed by the Water (Jersey) Law 1972.

The tables in this report show the results of the treated water monitoring programme carried out during the year and show the maximum, mean and minimum concentration of the particular parameter.

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Managing Director & Engineer