

ENNIS WATER TREATMENT WORKS, IRELAND

OVERVIEW:

The town of Ennis (population about 30,000) is supplied its drinking water from the Drumcliff Spring source just outside the town. The water is treated with chlorine and distributed.

Following the successful implementation of the MEMCOR® membrane systems temporary membrane barrier, a permanent membrane solution was tendered and successfully awarded in July 2007.

The permanent membrane plant will remove color (following coagulation treatment) and provide a barrier to bacteria ensuring that the water supplied to the town of Ennis is consistent even during high turbidity conditions.

The plant is a 20 year build own operate (BOO) scheme.

MEMCOR membrane systems scope of supply was design, supply of membrane system and commissioning of the plant.

Location	Ennis, Ireland
Contract placement	July 2007
Commissioned	Summer 2009
Plant design	6 X 102 L20V
Flow	4.8 MGD (18 MLD) Peak flow 4 MGD (15 MLD) Average
Water quality	Average turbidity - 15-20 NTU (Peaks of 150 NTU), Colour - 40 Hz (Peaks of 150 Hz)

