B.7 The concentration of substances, chemical and biological agents leached from materials in contact with potable water, and measurement of the relevant organoleptic/physical parameters, shall not exceed the maximum values recommended by the World Health Organisation in its "Guidelines for Drinking Water Quality" or the EEC Council Directive on the "Quality of Water Intended for Human Consumption", whichever is more stringent in each case.

B.8 Polyethylene pipes shall be clearly marked at intervals of one metre indicating the manufacturer's name, nominal diameter, standard number, pipe class, pressure rating and date of pipe manufacture. The word "WATER" shall also be marked every one metre. The marking shall be by means of paint or engraved marks. All markings shall be blue in colour. The pipes shall be supplied in coils of 150m and shall be kept shaded at all times. The coils shall be wrapped and shall not be exposed to direct sunlight.

Ductile iron pipes and fittings

B.9 Ductile iron pipes, fittings and jointing of the pipes and fittings should conform to ADWEA Standard Specification for Water Works No. W-P-SS-001 or to ISO 2531 or equivalent BS.

Polypropylene random copolymer (PP-R) pipes and fittings

B.10 PP-R pipes, fittings and jointing of the pipes and fittings should conform to BS EN 1852 (Specification of Polypropylene Pipes and Fittings), BS EN ISO 15874 (Specification for Polypropylene Pipes for Hot and Cold Water) or an equivalent international standard.

Cross-linked polyethylene (PE-X) pipes and fittings

B.11 PP-X pipes, fittings and jointing of the pipes and fittings should conform to BS 7291-1, BS 7291-3, ISO 15875 and AWWA C904. Other relevant standards for PEX and PEX Systems include:

(a) ASTM F876 -Materials, Dimensions and Performance for Tube

(b) ASTM F877 -Performance Standard for Tube/Fitting Systems

(c) ASTM F2023 -Chlorine Resistance test method

(d) ASTM F2657 –UV Resistance test method

(e) AWWA C 904 –Standard for PEX service lines