

# Form 4D – Daily Record Sheet – Saturator Feed

Water Fluoridation Regulation 2020 Section 22(2)

Week Ending: .....

Day	Date	Time	Column 1 Water treated (ML) [Section 22 - 2a]	Column 2 Amount of fluoride solution added to water (L)	Column 3 Solution strength <sup>a</sup> (g/100mL or %)	Column 4 Fluoride ion content <sup>b</sup>	Column 5 Amount of fluoride ion added to water <sup>c</sup> (kg) [Section 22 - 2b]	Fluoride ion concentration in treated water (mg/L)		Additional records*	
								Calculated <sup>d</sup> [Section 22 - 2c]	Measured <sup>e</sup> [Section 22 - 2d]		
Sat											
Sun											
Mon											
Tues											
Wed											
Thurs											
Fri											
Water supplier:			Name of treatment plant:			Operator:					
Fluoride compound used:			Name of supplier:			Supervisor:					

NB: In the notes below, the Water Fluoridation Code of Practice is abbreviated to 'WF CoP' and the Water Fluoridation Regulation 2020 is abbreviated to 'WF Reg'.

<sup>a</sup> The solubility of NaF is 4 % and the solubility for Sodium fluorosilicate (Na<sub>2</sub>SiF<sub>6</sub>) is 0.64%

<sup>b</sup> For sodium fluoride (NaF) the fluoride ion content is 45.2% and for sodium fluorosilicate (Na<sub>2</sub>SiF<sub>6</sub>) the fluoride ion content is 60.6%.

<sup>c</sup> Column 5 = Column 2 x Column 3 x Column 4 ÷ 10000.

<sup>d</sup> Calculated fluoride ion concentration = (Column 5 ÷ Column 1) + fluoride concentration in raw water.

<sup>e</sup> Fluoride must be measured by an approved method listed in the WF Reg, Schedule 3, Dictionary.

[ ] brackets indicate the section in the WF Reg, to which this requirement relates.

\* Operators may use these columns to capture additional records such as the results of reticulation sampling, verification samples, average results of online analysers, etc.