

STATUTORY RULES OF NORTHERN IRELAND

2016 No. 119

**The Groundwater (Amendment)
Regulations (Northern Ireland) 2016**

Amendment of Schedule

5. In the Schedule (Groundwater Threshold Values) for Table 1 substitute—

“Table 1

Threshold values for assessing groundwater chemical status

<i>Parameter</i>	<i>Unit</i>	<i>To examine if groundwater abstraction is causing saline or other intrusions</i>	<i>>To examine if groundwater is providing a significant contribution to the failure of the environmental objectives of associated surface water bodies</i>	<i>To examine if the quality of groundwater that is abstracted for potable use is deteriorating, possibly resulting in a need for increased purification</i>	<i>To examine the spatial extent of a groundwater body or group of bodies that are exceeding an EU Standard or threshold value</i>
Ammonium	mg/l				0.29
Arsenic	µg/l				7.5
Atrazine	µg/l				0.075
Cadmium	µg/l				3.75
Chloride	mg/l	25			
Electrical Conductivity	µS/cm	800		1875	
Lead	µg/l				7.5
MCPA	µg/l				0.075
Mecoprop	µg/l				0.075

- (1) The surface water environmental standards are set out in Schedule 1 to The Water Framework Directive (Classification, Priority Substances and Shellfish Waters) Regulations (Northern Ireland) 2015(S.R. 2015 No. 351).
- (2) The “dilution factor” is taken to be the fraction of the average annual river flow derived from groundwater inflows. It can be estimated from established hydrological indices such as the baseflow index, or from the ratio of catchment groundwater recharge to effective precipitation.

Status: This is the original version (as it was originally made). This item of legislation is currently only available in its original format.

<i>Parameter</i>	<i>Unit</i>	<i>To examine if groundwater abstraction is causing saline or other intrusions</i>	<i>>To examine if groundwater is providing a significant contribution to the failure of the environmental objectives of associated surface water bodies</i>	<i>To examine if the quality of groundwater that is abstracted for potable use is deteriorating, possibly resulting in a need for increased purification</i>	<i>To examine the spatial extent of a groundwater body or group of bodies that are exceeding an EU Standard or threshold value</i>
Mercury	µg/l				0.75
Nitrate (as NO ₃)	mg/l			37.5	37.5
Nitrite	µg/l			375	375
Simazine	µg/l				0.075
Sulphate	mg/l				187.5
Tetrachloroethylene	µg/l			7.5	7.5
Trichloroethylene	µg/l			7.5	7.5
Any pollutant in relation to which a surface water environmental standard has been set ⁽¹⁾			0.5 x (surface water standard divided by dilution factor) ⁽²⁾		

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