Guidelines For Livestock Drinking Water Quality							
<u>Parameter</u>	Maximum Ac	ceptable, milligran	ns per litre (ppm)				
	<u>Livesto</u>	<u>ck</u> <u>Humans</u>					
Major Ions and Nutrients							
Calcium	1000						
Nitrate plus nitrite	100	11					
Nitrite alone	10.0	1.0					
Sulphate	1000	500					
Total dissolved solids	3000	500					
Heavy Metals & Trace lons							
Aluminum	5.0						
Arsenic	0.025	0.025					
Beryllium	0.1						
Boron	5.0	5.0					
Cadmium	0.08	0.005					
Chromium	0.05	0.05					
Cobalt	1.0						
Copper	1.0	(cattle) 1.0					
	5.0 (swine & poultry)						
		(sheep)					
Fluoride	2.0	1.5					
Iron		0.3					
Lead	0.1	0.01					
Manganese		0.05					
Mercury	0.003	0.001					
Molybdenum	0.5						
Nickel	1.0						
Selenium	0.05	0.01					
Uranium	0.2	0.02					
Vanadium	0.1						
Zinc	50.0	5.0					

Note: --- indicates no guideline

<b>Typical</b>	Livestock	Water	Consumption	Levels
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Dairy (litres/day)		Beef (litres/day)	
Dry Cows	40	Dry Cow	35
Lactating	100	Lactating Cow	55
Yearling Heifers	30	Yearling Heifers	30
		Feedlot Animals	50
Swine (litres/day)		Poultry (litres/1000 birds/day)	
Sows	25	Broilers	140
Weaners	2.5	Layers	190
Growing-finishing	7	Turkeys	700

- Notes (1) All intake levels are subject to large variation related to environmental temperature, humidity, water quality and availability, diet composition and animal performance level.
  (2) Animals consuming wet feeds such as by-products, pasture or silages will drink considerably less
- water than indicated above.

Compiled by Murray Snowdon, NBAFA, 2000. Updated in 2008.