

Woosley, Rosemary (DEQ)

From: dganit.eichen@MOH.GOV.IL
Sent: Thursday, January 07, 2016 10:05 AM
To: nowotarski.allison@epa.gov; DEQFOIA
Cc: IRT.HEN@MOH.GOV.IL
Subject: Corrosion control measures and Water Stabilization

1643-16
RMD
Lansing
Due! 2-1-16

Hello Allison,

I am an Information Specialist for the Ministry of Health in Israel.

In Israel, more than 50% of the water are Desalinated and we require that a supplier who is desalinating water or is otherwise treating the water in a manner causing changes in acidity or alkalinity of the water, shall provide for the stabilization of the water.

Following the Lead contamination in Flint we would very much appreciate receiving information regarding the corrosion control measures that were taken and how you define unstabilized water. In Israel we suffer from opposite problems – too much scale.

We are also interested in the stabilization values of the water in Flint: before changing the source of the water to the Flint river and after the change: Soluble Calcium (mg/L as CaCO₃), Alkalinity (mg/L as CaCO₃), Stabilization value CCPP (mg/L as CaCO₃), Stabilization value (Langelier Index), TDS, pH.

Following are the Israeli Stabilization values for Desalinated water:

Column A Type of Monitoring	Column B Sampling point	Column C The factor	Column D Unit of measurement	Column E Required level
Continuous	Exit Point (discharge point)	Conductivity	15-20 mS/cm per cm/100cm	Operational failure in 90% of daily measurements, and not more than 15% allow the operational failure to 5.0 mg/l in the scope of daily measurements, and not more than 1.0 % of 5.0 in 100%
	Exit Point "Hardening"	Stability	100%	100% daily measurements, and not more than 0.5 % of 100%
		Acidity/Alkalinity	pH	100% daily measurements, and not more than 0.5 % of 100%
Grab Sample	Exit Point "Hardening"	Soluble Calcium Alkalinity Total Hardness Value EC	Meq/L, CaCl ₂ Meq/L, CaCl ₂ Meq/L, CaCl ₂	80-120 °dH 240 mg/L 100-250 °
		Temperature	°C	8 and above *

[http://www.health.gov.il/Subjects/Environmental Health/drinking water/Documents/Briut47-Eng.pdf](http://www.health.gov.il/Subjects/Environmental_Health/drinking_water/Documents/Briut47-Eng.pdf)

Regards,

Dganit Eichen
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Environmental Health Dept.
Israel Ministry of Health

