

Reporting Period:	October 1, 2011 - September 30, 2012
Water Scheme Name:	Linville
System Location:	Somerset Regional Council

Microbiology

Escherichia Coli	Unit of Measure	LOR	Number of Tests	12 Monthly Rolling Compliance	Minimum	Maximum	Average
October	cfu/100mL	1	4	100	<LOR	<LOR	<LOR
November	cfu/100mL	1	5	100	<LOR	<LOR	<LOR
December	cfu/100mL	1	4	100	<LOR	<LOR	<LOR
January	cfu/100mL	1	5	100	<LOR	<LOR	<LOR
February	cfu/100mL	1	4	100	<LOR	<LOR	<LOR
March	cfu/100mL	1	4	100	<LOR	<LOR	<LOR
April	cfu/100mL	1	4	100	<LOR	<LOR	<LOR
May	cfu/100mL	1	5	100	<LOR	<LOR	<LOR
June	cfu/100mL	1	4	100	<LOR	<LOR	<LOR
July	cfu/100mL	1	4	100	<LOR	<LOR	<LOR
August	cfu/100mL	1	5	100	<LOR	<LOR	<LOR
September	cfu/100mL	1	4	100	<LOR	<LOR	<LOR

LOR = Limit of reporting

Chemistry (General)

General	Unit of Measure	LOR	Number of Tests	Health Limit	Aesthetic Limit	Minimum	Maximum	Average	95th Percentile
Alkalinity	mg/L	1	12			170	240	208	235
Ammonia (Total, as N)	mg/L	0.004	12		0.5	<LOR	<LOR	<LOR	<LOR
Colour (True)	PCU	0.5	12		15	<LOR	<LOR	<LOR	<LOR
Conductivity	uS/cm	1	12		950	700	990	863	952
Langelier Index			12			<LOR	0.46	0.2	0.41
Silica	mg/L	0.1	12			22	27	24	26
Total Dissolved Salts	mg/L	1	12			450	630	553	608
Total Hardness	mg/L	0.1	12		200	250	350	302	339
Total Organic Carbon	mg/L	0.1	12			1	4.1	1.7	3.1
Turbidity	NTU	0.1	12		5	<LOR	0.84	0.21	0.49
pH	pH Unit	0.1	12		6.5-8.5	7.2	7.7	7.5	7.7

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Chemistry (Cations)

Cations	Unit of Measure	LOR	Number of Tests	Health Limit	Aesthetic Limit	Minimum	Maximum	Average	95th Percentile
Calcium	mg/L	0.02	12			57	75	67	73
Magnesium	mg/L	0.02	12			26	40	33	38
Potassium	mg/L	0.05	12			2	2.3	2.2	2.3
Sodium	mg/L	0.05	12		180	57	73	65	71

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Chemistry (Anions)

Anions	Unit of Measure	LOR	Number of Tests	Health Limit	Aesthetic Limit	Minimum	Maximum	Average	95th Percentile
Bromide	mg/L	0.01	12			0.1	0.37	0.24	0.35
Chloride	mg/L	1	12		250	110	180	139	175
Chlorine (Free)	mg/L	0.1	53	5		0.5	6.8	1.8	3.1
Chlorine (Combined)	mg/L	0.1	53			<LOR	1.7	0.24	0.74
Chlorine (Total)	mg/L	0.1	53			0.85	7.2	2.0	3.7
Fluoride (as F)	mg/L	0.05	12	1.5		0.1	0.28	0.19	0.27
Nitrate (as N)	mg/L	0.1	12	50		0.14	1.4	0.38	0.91
Nitrite (as N)	mg/L	0.1	12	3		<LOR	<LOR	<LOR	<LOR
Nitrite and Nitrate(as N)	mg/L	0.001	12			0.14	1.4	0.38	0.91
Sulfate (as SO4)	mg/L	0.1	12	500		15	22	18	21

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Chemistry (Taste and Odour)

Taste and Odour	Unit of Measure	LOR	Number of Tests	Health Limit	Aesthetic Limit	Minimum	Maximum	Average	95th Percentile
Geosmin	ng/L	2	12		5	<LOR	3	<LOR	3
2-Methylisoborneol	ng/L	2	12		5	<LOR	2	<LOR	<LOR

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Chemistry (Metals)

Metals	Unit of Measure	LOR	Number of Tests	Health Limit	Aesthetic Limit	Minimum	Maximum	Average	95th Percentile
Aluminium	mg/L	0.001	12		0.2	<LOR	0.005	<LOR	<LOR
Barium	mg/L	0.001	12	2		0.03	0.04	0.04	0.04
Cadmium	mg/L	0.001	12	0.002		<LOR	<LOR	<LOR	<LOR
Chromium	mg/L	0.001	12	0.05		<LOR	<LOR	<LOR	<LOR
Copper	mg/L	0.001	12	2		0.02	0.06	0.04	0.06
Iron	mg/L	0.001	12		0.3	0.003	0.07	0.01	0.04
Lead	mg/L	0.001	12	0.01		<LOR	0.003	<LOR	<LOR
Manganese	mg/L	0.001	12	0.5	0.1	<LOR	0.03	<LOR	0.01
Nickel	mg/L	0.001	12	0.02		<LOR	<LOR	<LOR	<LOR
Zinc	mg/L	0.001	12		3	0.01	0.03	0.02	0.02

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Chemistry (DBP)

Disinfection By-Products	Unit of Measure	LOR	Number of Tests	Health Limit	Aesthetic Limit	Minimum	Maximum	Average	95th Percentile
Bromodichloromethane	ug/L	2	3			<LOR	14	5	14
Bromoform	ug/L	2	3			5	21	12	21
Chlorodibromomethane	ug/L	2	3			4	33	15	32
Chloroform	ug/L	2	3			<LOR	3	<LOR	2
Trihalomethanes (Total)	ug/L		3	250		10	69	32	67
Bromochloroacetic Acid	ug/L	10	3			<LOR	<LOR	<LOR	<LOR
Dibromoacetic Acid	ug/L	10	3			<LOR	21	<LOR	20
Dichloroacetic Acid	ug/L	10	3	100		<LOR	<LOR	<LOR	<LOR
Monobromoacetic Acid	ug/L	10	3			<LOR	<LOR	<LOR	<LOR
Monochloroacetic Acid	ug/L	10	3	150		<LOR	<LOR	<LOR	<LOR
Trichloroacetic Acid	ug/L	10	3	100		<LOR	<LOR	<LOR	<LOR
Haloacetic Acids (Total)	ug/L	60	3	0		<LOR	<LOR	<LOR	<LOR
Chlorate	mg/L	0.01	3	0.7		0.14	0.56	0.32	0.50

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Microbiology (Other)

Microbiology	Unit of Measure	LOR	Number of Tests	Health Limit	Aesthetic Limit	Minimum	Maximum	Average	95th Percentile
Faecal Coliforms	cfu/100mL	1	53			<LOR	<LOR	<LOR	<LOR
Heterotrophic Plate Count	cfu/mL	1	53			<LOR	10	<LOR	2

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