

<p>As requested I enclose all results to date for tralee canal taken at two locations. From a microbiological quality point of view the results satisfy strict seasonal guide level standards which are applied to Blue flag beaches. The high level of Oxygen reported in water is due to pesence of nutrient enrthment leading to significant algal/seaweed growth. As most of these samples were taken mid morning to Noon ,the cororrorally of this is that oxygen levels would plummet overnight . This is known as diurnal effect. It remains to me to wish you and your colleagues every success in your venture over weekend. Regards David Lenihan, Senior Chemist KCC,</p>						Parameter	Faecal Coliforms	Total Coliforms	Faecal Streptococci	Temperature	Salinity	Dissolved Oxygen (as %Sat)	Dissolved Oxygen	pH	Colour	Transparency	Ammonium
						Max.	100	500	100	--	--	120	15	--	--	--	--
						Target	--	--	--	--	--	--	--	--	--	--	--
						Min.	--	--	--	--	--	80	5	--	--	--	--
Location	Sample Reference	Sample Date	Sample Time	Sampled By	Comments	no./100 mls	no./100m ls	no./100 mls	Degrees C	0/oo	% O2	mg/l	pH units	Hazen	m	mg/l	
Canal at Blennerville bridge	2010/1898	04-May-10	12:00	Andrew Scanlon		< 20	< 20	2	13.5	8	134	14.2	9.1	116			
Canal opp Marina appartments	2010/1899	04-May-10	12:10	Andrew Scanlon	brown colour in water	20	120	2	13.5	7	149	15.9	9.1	109			
Canal at Blennerville bridge	2010/2009	10-May-10	15:00	Andrew Scanlon	Brown colour			2	14.6		175	18	9.3	145		0.04	
Canal opp Marina appartments	2010/2010	10-May-10	15:12	Andrew Scanlon	Brown colour			3	15.6		214	21.4	9.6	360		0.04	
Canal at Blennerville bridge	2010/2128	17-May-10	11:15	Andrew Scanlon		0	0	0	13.9	17.2	188	19.7	8.8	121			
Canal opp Marina appartments	2010/2129	17-May-10	11:00	Andrew Scanlon		0	0	0	15.2	25.2	178	18.1	8.5	70			
Canal at Blennerville bridge	2010/2555	14-Jun-10	14:50	Iona Mc Gloin		16	24	2	20.1	17.8	139	12	9	65			
Canal opp Marina appartments	2010/2554	14-Jun-10	14:40	Iona Mc Gloin		8	40	2	20.1	15.8	140	12.1	9	74			
Canal at Blennerville bridge	2010/2882	29-Jun-10	09:30	Andrew Scanlon		400	400	88	17.8	20.6	136	13	8.5	103			
Canal opp Marina appartments	2010/2883	29-Jun-10	09:40	Andrew Scanlon		300	120	72	17.9	15.6	106	9.8	8.3	74			
Canal opp Marina appartments	2010/3085	12-Jul-10	10:40	Noreen O Connor		34	180	22		25.1			8.8	67			
Canal at Blennerville bridge	2010/3086	12-Jul-10	10:55	Noreen O Connor		6	50	2		22.6			8.8	61			
Canal opp Marina appartments	2010/3174	19-Jul-10	11:22	Andrew Scanlon		42	150	48	20.9	14.7	195	17.5	9	103			
Canal at Blennerville bridge	2010/3173	19-Jul-10	11:30	Andrew Scanlon		24	52	2	21.5	21	175	15.9	9	90			
Canal at Blennerville bridge	2010/3286	26-Jul-10	15:00	Michael O Sullivan		4	14	4	20.7	14.2		13.7	9.1	62			
Canal opp Marina appartments	2010/3285	26-Jul-10	14:50	Michael O Sullivan		8	52	0	21.7	11.8		15.4	9.1	65			
Canal at Blennerville bridge	2010/3380	03-Aug-10	12:00	Tómas Ó Sullivan		0	2	2					9.3	63			
Canal opp Marina appartments	2010/3379	03-Aug-10	12:00	Tómas Ó Sullivan		36	104	8					9.3	86			
Canal opp Marina appartments	2010/3620	16-Aug-10	11:39	Derry Bowler	lot of floating debris	6	8	2	20.3	20.4	181	13.4	9.1	116	> 1		
Canal at Blennerville bridge	2010/3619	16-Aug-10	11:30	Derry Bowler	tide in	2	20	4	18.9	16.6		13	9.2	95	> 1		

Signed

David Lenihan MSc
Senior Executive Chemist