

# INFORMATION NOTE

## St Annes Bathing Waters 2019

1. The Environment Agency are responsible for implementation of the Bathing Waters Directives, monitoring and reporting on water quality and ensuring action is taken to meet the appropriate standards for the directives throughout the UK. They also regulate discharges to the aquatic environment.
2. Fylde Borough Council operates two controlled bathing waters one at St Anne's Pier and the other is St Anne's North adjacent to North Beach car park. During the bathing season 1st May to 30th September the Council are responsible for the provision of public information about the bathing waters being displayed in an easily acceptable place in the vicinity of the bathing waters. This includes the provision of public information to prevent exposure to pollution during short term incidents and advise against bathing where the bathing water does not meet the sufficient standard.
3. Changes were made from 2012 with the introduction of the revised Bathing Water Directive. Under the new regulations the revised directive sets guideline standards for Escherichia coli and intestinal enterococci.
4. The standards used at the end of the 2019 bathing season give an overall assessment of all water quality taken over a four year period (2016 to 2019) 80\* samples, 20 per year. \*may be lower due to samples being discounted from the classification due to predicted poor water quality through Pollution Risk Forecasting.
5. The new standard has four classifications:-

**Excellent, Good, Sufficient, Poor.**

The EU directive requires member states to ensure that, by the end of the 2015 bathing season, all bathing waters are at least sufficient each year.

The table below indicates the different parameters for bathing water quality.

Parameter	Excellent	Good	Sufficient
Escherichia coli (cfu/100ml)	<250 (*)	<500 (*)	<500 (**)
Intestinal enterococci (cfu/100ml)	<100 (*)	<200 (*)	<185 (**)
(*) Based upon a 95-percentile evaluation			
(**) Based upon a 90-percentile evaluation			

cfu = colony-forming unit

E.coli should not exceed 500cfu per 100ml based upon a 90-percentile evaluation of samples.

Intestinal enterococci should not exceed 185cfu per 100ml based upon a 90-percentile evaluation of samples.

6. The Environment Agency has been working with Fylde Council again this year to make daily predictions of pollution risks at our bathing waters during the 2019 bathing season. These inform the public of increased pollution risk through signs displayed at bathing waters. These warnings are short term pollution events that have clearly identifiable causes which are not normally expected to affect bathing water quality for more than approximately 72 hours. Where pollution risk forecasts have coincided with statutory bathing water sampling and if all conditions are met there is a potential for discounting samples at the end of the season. A

maximum of 3 samples can be discounted per bathing season. Three samples have been discounted at St Annes Pier in accordance with Article 3(6) of the bathing water directive during the 2019 season and three samples were discounted at St Annes North bathing water. One high result (taken on 31/07/2019) was not able to be discounted at St Annes North because no signage was displayed at the bathing water when the sample was taken. The correct PRF warning information has to be displayed at the bathing water when the statutory sample is taken in order for it to be discounted. This high result had a negative impact on the overall percentiles although the classification would have still been sufficient had this result been eligible for discounting.

7. The Fylde coast has eight bathing waters and the table below indicates this year's results, showing their improvement over the last six years.

Bathing water area	2014 results	2015 results	2016 results	2017 results	2018 results	2019 results
Fleetwood	Poor	Excellent	Good	Good	Good	Good
Cleveleys	Poor	Poor	Good	Good	Good	Good
Bispham	Sufficient	Sufficient	Good	Good	Good	Excellent
Blackpool North	Poor	Good	Sufficient	Good	Sufficient	Good
Blackpool Central	Poor	Sufficient	Good	Good	Good	Good
Blackpool South	Good	Excellent (Blue Flag status)	Excellent (Blue Flag status)	Excellent (Blue Flag status)	Good	Good
St Annes North	Good	Excellent	Good	Good	Good	Sufficient
St Annes Pier	Good	Good	Good	Good	Good	Good



8. The Bathing Water classification for St Annes Pier is classed as good for 2019 however the classification for St Annes North has been classified as sufficient. The deterioration of the water quality at St Annes North is of concern to the Council and the Environment Agency.
9. The classification between good and sufficient is minimal – there was a deterioration in E-Coli at both sites and a deterioration in IE at St Annes North but the IE result slightly improved at St Annes from 2018 to 2019.

Name	2019		2018		E-Coli Change in %ile	IE Change in %ile
	E_Coli 90%ile	IE 90%ile	E_Coli 90%ile	IE 90%ile		
St Annes	243.26	93.64	184.43	99.20	+58.83	-5.56
St Annes North	345.83	116.45	240.51	83.28	+105.32	+33.17

10. The Environment Agency has identified St Annes North as a priority bathing water. In the New Year officers from the Council will meet with representatives from the Environment Agency, Ribble Rivers Trust and United Utilities to draw up an action plan for the 2020 bathing season.

## Appendix 1

### St Annes North Bathing Water 2019

NO	Sample taken	escherichia coli colonies/100ml	intestinal enterococci colonies/100ml
141	02/05/2019 10:40	36	10
142	16/05/2019 10:20	10	10
143	19/05/2019 11:05	82	45
144	22/05/2019 13:21	10	10
145	31/05/2019 10:01	10	36
146	04/06/2019 12:20	10	18
147	14/06/2019 10:10	1400	490
148	17/06/2019 11:35	420	55
149	21/06/2019 13:40	27	10
150	30/06/2019 11:16	220	45
151	02/07/2019 11:10	18	27
152	15/07/2019 10:17	36	10
153	18/07/2019 13:00	10	18
154	31/07/2019 10:30	2600	380
155	06/08/2019 15:40	300	150
156	12/08/2019 10:01	420	170
157	20/08/2019 15:10	240	36
158	30/08/2019 10:15	300	82
159	02/09/2019 12:41	520	410
160	04/09/2019 13:51	160	82

### St Annes North Bathing Water 2018

NO	Sample taken	escherichia coli colonies/100ml	intestinal enterococci colonies/100ml
121	01/05/2018 12:40	10	10
122	15/05/2018 11:35	18	45
123	27/05/2018 11:15	10	18
124	31/05/2018 11:45	18	10
125	04/06/2018 15:05	18	10
126	12/06/2018 10:50	36	27
127	18/06/2018 15:30	45	18
128	24/06/2018 10:45	10	10
129	27/06/2018 11:45	10	10
130	03/07/2018 13:10	10	18
131	11/07/2018 10:15	18	10
132	24/07/2018 09:40	118	18
133	27/07/2018 11:10	18	10
134	01/08/2018 14:48	55	36
135	10/08/2018 11:05	370	64
136	16/08/2018 14:04	410	73
137	23/08/2018 11:15	27	36
138	29/08/2018 13:50	82	10
139	07/09/2018 10:30	1000	909
140	11/09/2018 12:20	2200	2700

### St Annes Pier Bathing Water 2019

NO	Sample taken	escherichia coli colonies/100ml	intestinal enterococci colonies/100ml
141	02/05/2019 10:50	10	10
142	16/05/2019 10:35	10	10
143	19/05/2019 11:15	18	10
144	22/05/2019 13:36	10	10
145	31/05/2019 10:20	27	27
146	04/06/2019 12:35	10	10
147	14/06/2019 10:00	73	200
148	17/06/2019 11:15	45	27
149	21/06/2019 13:30	27	10
150	30/06/2019 11:47	18	10
151	02/07/2019 11:25	10	10
152	15/07/2019 10:05	10	10
153	18/07/2019 13:45	10	10
154	31/07/2019 10:50	3000	400
155	06/08/2019 15:20	320	100
156	12/08/2019 10:21	520	120
157	20/08/2019 15:20	82	10
158	30/08/2019 10:35	830	550
159	02/09/2019 13:01	210	530
160	04/09/2019 14:20	130	36

### St Annes Pier Bathing Water 2018

NO	Sample taken	escherichia coli colonies/100ml	intestinal enterococci colonies/100ml
121	01/05/2018 14:40	55	27
122	15/05/2018 11:35	82	164
123	27/05/2018 11:15	10	10
124	31/05/2018 11:45	10	10
125	04/06/2018 15:05	10	10
126	12/06/2018 10:50	27	10
127	18/06/2018 15:30	10	27
128	24/06/2018 10:45	10	10
129	27/06/2018 11:45	10	10
130	03/07/2018 13:10	10	10
131	11/07/2018 10:15	18	10
132	24/07/2018 09:40	73	10
133	27/07/2018 11:10	10	10
134	01/08/2018 14:48	64	64
135	10/08/2018 11:05	64	27
136	16/08/2018 14:04	270	109
137	23/08/2018 11:15	230	45
138	29/08/2018 13:50	91	18
139	07/09/2018 10:30	290	936
140	11/09/2018 12:20	1200	3200

**FURTHER INFORMATION** - Contact: Darren Bell Head of Technical Services

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