

Surface Water Quality

9 July 2018

Cuadrilla's Preston New Road Site

Following concerns expressed by members of the public in relation to discolouration of surface water bodies surrounding the Cuadrilla Bowland Ltd site at Preston New Road an inspection was undertaken on 1 May 2018.

The locations shown in Figure 1 were inspected:



Figure 1: Map showing Cuadrilla's surface water monitoring locations.

The photographs below show what was observed on the ground on 1 May 2018. Data tables showing Cuadrilla's surface water monitoring from 2018 are included. Details of the full analysis, including all parameters and historic data will be available on Citizen Space.

customer service line
03708 506 506

incident hotline
0800 80 70 60

floodline
03459 88 11 88

What we found

The visual walk-over inspection of each of the ponds and surface water sampling points around the well pad noted no pollution attributable to the well pad. Levels of conductivity at the upstream sampling location (B2) were elevated during the March 2018 sampling. However this is as we would expect from surface water bodies in this location, which are affected by rainfall runoff from farmland in the area.

Pond B1



Date Attended Site	pH	Conductivity uS/cm @ 25C w	Suspended Solids w
Units	pH units	uS/cm	mg/l
04/01/2018	7.7	315	18
01/02/2018	7.7	300	40
06/03/2018	7.6	316	<5

Carr Bridge Brook Up Stream B2



Date Attended Site	pH	Conductivity uS/cm @ 25C w	Suspended Solids w
Units	pH units	uS/cm	mg/l
04/01/2018	7.2	369	36
01/02/2018	7.3	383	84
06/03/2018	7.2	1590	64

Pond B3


Date Attended Site	pH	Conductivity uS/cm @ 25C w	Suspended Solids w
Units	pH units	uS/cm	mg/l
04/01/2018	7.4	226	50
01/02/2018	7.2	195	120
06/03/2018	7.2	209	<10

Carr Bridge Brook Downstream B4

No photograph taken on 1 May 2018

Date Attended Site	pH	Conductivity uS/cm @ 25C w	Suspended Solids w
Units	pH units	uS/cm	mg/l
04/01/2018	7.4	469	27
01/02/2018	7.4	463	53
06/03/2018	7.5	1610	23

Pond 5


Date Attended Site	pH	Conductivity uS/cm @ 25C w	Suspended Solids w
Units	pH units	uS/cm	mg/l
04/01/2018	7.5	492	19
01/02/2018	7.6	614	20
06/03/2018	7.2	678	<5

Pond 6


Date Attended Site	pH	Conductivity uS/cm @ 25C w	Suspended Solids w
Units	pH units	uS/cm	mg/l
04/01/2018	7.7	321	11
01/02/2018	7.6	314	38
06/03/2018	7.7	381	15

Teardrop Pond


Monitoring not required.

We continue to inspect the water quality of ponds and Carr Bridge Brook for signs of pollution from any source. Any signs of pollution will be investigated and appropriate enforcement action will be taken to prevent any recurrence. We continue to collect fortnightly samples from Carr Bridge Brook. The results are published on Citizen Space.

Surface water discharges from site are not permitted until we are satisfied that the requirements of Pre-Operational Condition 11 (PO11) in Cuadrilla's permit have been met.

Please report any signs of surface water pollution to our incident hotline on 0800 80 70 60.

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