

RELEASES INTO CONTROLLED WATERS

Release Summary for Quarter 1

Year 2020 Permit No. BL 4567

Operator Vale Europe Ltd.,

Location: Clydach SA6 5QR

Parameter	Release Point Number									
	W1		Cooling Water flows (at W1)	W3	W4	W5	W6	W7	W8	W9
	<i>Limits</i>	<i>Results</i>								
Maximum Flow m ³ /hour	625	510.96		---- X	50 X	4.5 X	11 X	---- X	3 X	---- X
Mean Flow m ³ /hour		235.83	45							
Maximum Flow m ³ /day	15000	12263.00		---- X	600 X	13 X	270 X	---- X	15 X	---- X
Mean Flow m ³ /day		5659.88	1068							
pH Maximum	9.0	8.60								
pH Mean	N	7.60								
pH Minimum	6.0	7.00								
Temperature difference °C	+20	6.61								
Temperature Canal Abstraction °C *		8.77								
Suspended Solids mg/l	10	1.4				X	X	X		
Total Copper mg/l (Cu)	1.0	0.028						X		
Soluble Copper mg/l (Cu)	0.5	0.013						X		
Total Nickel mg/l	2.5	0.83						X		
Soluble Nickel mg/l	2.0	0.77						X		
Total Cobalt mg/l (Co)	1.0	0.009						X		
Soluble Cobalt mg/l (Co)	0.5	0.004								
Free and Fixed Ammonia as Nitrogen mg/l	5	0.11								
Oxygen Demand (PV4) mg/l	3.0	0.59								

Limits in Italics

---- denotes no limit

* Not a release, abstraction temperature at NGR SN 6955 0145

Date: As Per Email

Fiona Sharp

Sustainability Co-ordinator

– for Lee Davies Sustainability Supervisor

Signed on behalf of Vale Europe Ltd.,

Form W1 dated 27/10/03

Email to: industryregulation.swwales@cyfoethnaturiolcymru.gov.uk