

RELEASES INTO CONTROLLED WATERS

Release Summary for Quarter 2

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	<i>625</i>	302.42		--- X	<i>50</i> X	<i>4.5</i> X	<i>11</i> X	--- X	<i>3</i> X	--- X
Mean Flow m ³ /hour		189.50	64							
Maximum Flow m ³ /day	<i>15000</i>	7258.00		--- X	<i>600</i> X	<i>13</i> X	<i>270</i> X	--- X	<i>15</i> X	--- X
Mean Flow m ³ /day		4547.89	1537							
pH Maximum	<i>9.0</i>	8.90								
pH Mean	<i>N</i>	7.80								
pH Minimum	<i>6.0</i>	6.80								
Temperature difference °C	<i>+20</i>	8.73								
Temperature Canal Abstraction °C *		12.95								
Suspended Solids mg/l	<i>10</i>	0.616				---	---	---		
Total Copper mg/l (Cu)	<i>1.0</i>	0.068						---		
Soluble Copper mg/l (Cu)	<i>0.5</i>	0.025						---		
Total Nickel mg/l	<i>2.5</i>	1.027						---		
Soluble Nickel mg/l	<i>2.0</i>	0.931						---		
Total Cobalt mg/l (Co)	<i>1.0</i>	0.006						---		
Soluble Cobalt mg/l (Co)	<i>0.5</i>	0.005								
Free and Fixed Ammonia as Nitrogen mg/l	<i>5</i>	0.052								
Oxygen Demand (PV4) mg/l	<i>3.0</i>	0.350								

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.swales@cyfoethnaturiolcymru.gov.uk