

Annual Release Summary for Year 31st December 2021

Operator Vale Europe Ltd.,

Permit No. BL 4567 IZ

Location: Clydach SA6 5QR

SUBSTANCE	RELEASE POINT NUMBER	RELEASED TO	ACTUAL RELEASED (kg)	ANNUAL RELEASE LIMIT (kg) (where applicable)
Total Particulate Matter	A23 & A24	AIR	---	No Limit
	A54a & A 54b	AIR	42.61	
	A67 & A77	AIR	---	
Nickel Compounds expressed as Ni	A54a & A54b	AIR	12.78	Site Total 2,500
	Total of A48 (A23, A24, A67, A77 not in use)	AIR	5.22	
Sulphur Dioxide (SO ₂)	A54a & A54b	AIR	4417.35	Site Total 15,000
	Total of A1 to A21 inc. plus A23 to A31 inc. plus A67	AIR	3718.60	
Carbon Monoxide	A54a & A54b	AIR	98369.17	No Limit
	Total of A1 to A21 inc. plus A23 to A31 inc. plus A67	AIR	7510.79	
Oxides of Nitrogen as NO ₂	A54a & A54b	AIR	1805.51	Site Total 130,000
	Total of A1 to A21 inc. plus A23 to A31 inc. plus A67, A77	AIR	33350.42	
Total Nickel	W1 & W7	Controlled Waters	344.9	2,500
Soluble Nickel	W1 & W7	Controlled Waters	270.8	1,900
Total Copper	W1	Controlled Waters	44.19	300
Soluble Copper	W1	Controlled Waters	42.53	300
Total Cobalt	W1	Controlled Waters	44.30	300
Soluble Cobalt	W1	Controlled Waters	46.20	300
Suspended Solids	W1, W5 & W6	Controlled Waters	876.7	No Limit
Total fixed ammonia (as N)	S1	Sewer	64.7	No Limit
Total Free ammonia (as N)	S1	Sewer	---	No Limit
Sludges and Solid Wastes containing metals	Includes all metal sent for recycling	Sent for Landfill and/or Treatment and/or Recovery	As list on page 2	No Limit
Other Process Wastes		Sent for Landfill and/or Treatment and/or Recovery	As list on page 2	No Limit

**A 77 Did not operate.

**A 67 Did not operate

Reused / Recycled / Recovered Waste

Compostable Waste	2800
Metals	161640
Mixed Waste	37007
Paper and cardboard	26766
Plastics	7700
Wood	89812
Pallets (wood and plastic)	44780
Waste Lagging	1940
Rubble	1580
Glass	0
Used oils and greases	6859
Waste containing Heavy Metals	129806
Other special waste	2400
	kg 513090

Landfill / Incineration other than energy recovery

Asbestos	6250
Heath services	127
	kg 6377

Total Waste for 2020	kg 519467
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Date: As per email.

Richard De Filippo
Sustainability Supervisor
Signed on behalf of Vale Europe Limited,
Form Y1 date 27/10/03