

## Releases to Air

Release summary for **Quarter 4**

Year **2021**

Operator: Vale Europe Ltd.,  
Permit No. BL 4567

Location: Clydach SA6 5QR

| Parameter                                 |                                 | Release Point Number | Month 1 | Month 2 | Month 3 | Limit mg/m3       |
|-------------------------------------------|---------------------------------|----------------------|---------|---------|---------|-------------------|
| Particulates mg/m <sup>3</sup>            | Maximum Hourly Average in Month | A54a                 | -       | -       | -       | 5 (daily average) |
|                                           |                                 | A54b                 | 0.62    | 2.13    | 0.75    | 5 (daily average) |
|                                           | Monthly Mean                    | A54a                 | -       | -       | -       |                   |
|                                           |                                 | A54b                 | 0.165   | 0.244   | 0.168   |                   |
| Nickel compounds expressed as Ni kg/month |                                 | A54a                 | -       | -       | -       |                   |
|                                           |                                 | A54b                 | 2.19    | 3.24    | 2.23    |                   |
| Bypass of abatement time hh:mm            |                                 | A54a                 | -       | -       | -       |                   |
|                                           |                                 | A54b                 | -       | -       | -       |                   |
| CEM Availability %                        |                                 | A54a                 | -       | 3:15    | 0:35    |                   |
|                                           |                                 | A54b                 | 100     | 100     | 100     |                   |
| Flue switched to A54a or A54b?            |                                 |                      | N       | N       | N       |                   |
| Date of Main Stack Flue switching.        |                                 |                      | -       | -       | -       |                   |

Operator should strikethrough boxes not applicable due to release point not in service.

Date: As Per Email

**Richard De Filippo**

**Sustainability Supervisor**

Signed on behalf of Vale Europe Limited.,

Form A1 dated 27/10/03

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