GROSVENOR LFI

In March 2020 in the early stages of goaf formation there were challenges experienced with some goaf holes and contamination of flame arrestors requiring some holes to be temporarily taken offline so the flame arrestors could be cleaned. This resulted in several tailgate roadway methane exceedances as detailed in the timeline, however the majority of the remaining goaf holes have performed as expected. (pg 13)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Time of  Exceedance | s243(a) Sensor ("149 Sensor") | Tailgate Sensor — 400m outbye  ("Inbye Sensor") | Tailgate Sensor — 3-4 c/t  ("Outbye Sensor") |
| 18/03/2020 | 21:33 | 0.97% | 2.56% | 2.3% |
| 19/03/2020 | 06:50 | 0.94% | 3.01% |  |
| 20/03/2020 | 02:30 | 0.81% | 2.84% | 2.57% |
| 20/03/2020 | 03:30 | 0.85% | 2.55% | 2.1% |
| 20/03/2020 | 14:36 | 0.99% | 3.55% | 3.1% |
| 22/03/2020 | 22:22 | 1.08% | 2.54% | 2.54% |
| 23/03/2020 | 06:28 | 0.8% | 1.99% | 2.55% |
| 04/04/2020 | 02:22 | 2.97% | 1.34% | 1.87% |
| 06/04/2020 | 23:31 | 1.36% | 2.12% | 2Æ6% |
| 07/04/2020 | 14:21 | 1.1% | 2.04% | 2.52% |
| 21/04/2020 | 00:58 | 3.08% | 1.48% | 1.49% |
| 21/04/2020 | 01:54 | 2.55% | 1.66% | 1.49% |
| 21/04/2020 | 13:06 | 2.66% | 1.6% | 1.42% |
| 21/04/2020 | 23:06 | 5.04% | 1.47% | 1.38% |

**THERE ARE TWO DISTINCT TYPES OF EVENTS. 9 from the floor and 5 from the goaf**

**THOSE IN YELLOW COMING FROM FACE or FLOOR. S243 Sensor in the Tailgate does not change.**

**THOSE IN BLUE COMING AT TAILGATE END OF ROADWAY FROM GAS MIGRATION FROM GOAF. The 400m and Outbye Sensor quantities at no stage go near 2%.**

**NOTE 21/04/2020. 5% Explosive at the 243 Sensor of the Tailgate Chock #149 Canopy**