

## SAMRASS: Fatalities and injuries per commodity/region: Weekly report 2022

(Provisional statistics)

| Commodity | Fatalities*             |                         |          |                              |                              |          | Injuries*               |                         |          |
|-----------|-------------------------|-------------------------|----------|------------------------------|------------------------------|----------|-------------------------|-------------------------|----------|
|           | Actual                  |                         |          |                              |                              |          | Actual                  |                         |          |
|           | 01/01/2021 - 31/08/2021 | 01/01/2022 - 31/08/2022 | % change | Total fatal accidents** 2021 | Total fatal accidents** 2022 | % change | 01/01/2021 - 31/08/2021 | 01/01/2022 - 31/08/2022 | % change |
| Total     | 35                      | 34                      | -3       | 35                           | 28                           | -20      | 1464                    | 1328                    | -9       |
| Gold      | 15                      | 12                      | -20      | 15                           | 8                            | -47      | 508                     | 338                     | -33      |
| Coal      | 6                       | 5                       | -17      | 6                            | 4                            | -33      | 110                     | 130                     | 18       |
| Platinum  | 9                       | 10                      | 11       | 9                            | 9                            | 0        | 699                     | 692                     | -1       |
| Other     | 5                       | 7                       | 40       | 5                            | 7                            | 40       | 147                     | 168                     | 14       |

\* Provisional figures

| Region        | Fatalities*             |                         |          |                       |                       |          | Injuries*               |                         |          |
|---------------|-------------------------|-------------------------|----------|-----------------------|-----------------------|----------|-------------------------|-------------------------|----------|
|               | Actual                  |                         |          |                       |                       |          | Actual                  |                         |          |
|               | 01/01/2021 - 31/08/2021 | 01/01/2022 - 31/08/2022 | % change | Total fatal accidents | Total fatal accidents | % change | 01/01/2021 - 31/08/2021 | 01/01/2022 - 31/08/2022 | % Change |
| Total         | 35                      | 34                      | -3       | 35                    | 28                    | -20      | 1464                    | 1328                    | -9       |
| Western Cape  | 1                       | 1                       | 0        | 1                     | 1                     | 0        | 5                       | 8                       | 60       |
| Northern Cape | 3                       | 1                       | -67      | 3                     | 1                     | -67      | 39                      | 49                      | 26       |
| Free State    | 6                       | 2                       | -67      | 6                     | 2                     | -67      | 149                     | 103                     | -31      |
| Eastern Cape  | 0                       | 0                       | #DIV/0!  | 0                     | 0                     | #DIV/0!  | 2                       | 2                       | 0        |
| KwaZulu/Natal | 0                       | 1                       | 100      | 0                     | 1                     | 100      | 12                      | 14                      | 17       |
| Mpumalanga    | 6                       | 4                       | -33      | 6                     | 4                     | -33      | 114                     | 146                     | 28       |
| Limpopo       | 0                       | 2                       | 200      | 0                     | 2                     | 200      | 90                      | 92                      | 2        |
| Gauteng       | 6                       | 8                       | 33       | 6                     | 4                     | -33      | 299                     | 175                     | -41      |
| Klerksdorp    | 3                       | 2                       | -33      | 3                     | 2                     | -33      | 79                      | 70                      | -11      |
| Rustenburg    | 10                      | 13                      | 30       | 10                    | 11                    | 10       | 675                     | 669                     | -1       |

\* Provisional figures

\*\* Number of accidents in which persons died, catering for multiple fatalities.

| All Mines Fatalities per Classification |                          |                           |          |
|-----------------------------------------|--------------------------|---------------------------|----------|
| Classification                          | 01/01/2021<br>31/08/2021 | 01/01/2022-<br>31/08/2022 | % Change |
| FALL OF GROUND/rockfall                 | 13                       | 3                         | -77      |
| MACHINERY                               | 3                        | 1                         | -67      |
| TRANSPORTATION AND MINING               | 10                       | 10                        | 0        |
| GENERAL                                 | 6                        | 13                        | 117      |
| CONVEYANCE ACCIDENTS (SHAFT/WINZE)      | 1                        | 1                         | 0        |
| ELECTRICITY                             | 1                        | 1                         | 0        |
| FIRES                                   | 0                        | 1                         | 100      |
| EXPLOSIVES                              | 0                        | 1                         | 100      |
| SUBSIDENCE OR CAVING                    | 1                        | 0                         | -100     |
| HEAT SICKNESS                           | 0                        | 0                         | #DIV/0!  |
| DIVING SICKNESS                         | 0                        | 0                         | #DIV/0!  |
| OCCUPATIONAL DISEASES                   | 0                        | 0                         | #DIV/0!  |
| MISCELLANEOUS (specify)                 | 0                        | 3                         | 300      |
| TOTAL                                   | 35                       | 34                        | -3       |

| Gold Mines Fatalities per Classification |                          |                           |          |
|------------------------------------------|--------------------------|---------------------------|----------|
| Classification                           | 01/01/2021<br>31/08/2021 | 01/01/2022-<br>31/08/2022 | % Change |
| FALL OF GROUND/rockfall                  | 7                        | 1                         | -86      |
| MACHINERY                                | 1                        | 0                         | -100     |
| TRANSPORTATION AND MINING                | 3                        | 3                         | 0        |
| GENERAL                                  | 3                        | 5                         | 67       |
| CONVEYANCE ACCIDENTS (SHAFT/WINZE)       | 0                        | 1                         | 100      |
| ELECTRICITY                              | 1                        | 0                         | -100     |
| FIRES                                    | 0                        | 1                         | 100      |
| EXPLOSIVES                               | 0                        | 0                         | #DIV/0!  |
| SUBSIDENCE OR CAVING                     | 0                        | 0                         | #DIV/0!  |
| HEAT SICKNESS                            | 0                        | 0                         | #DIV/0!  |
| DIVING SICKNESS                          | 0                        | 0                         | #DIV/0!  |
| OCCUPATIONAL DISEASES                    | 0                        | 0                         | #DIV/0!  |
| MISCELLANEOUS (specify)                  | 0                        | 1                         | 100      |
| TOTAL                                    | 15                       | 12                        | -20      |

| Coal Mines Fatalities per Classification |                          |                           |          |
|------------------------------------------|--------------------------|---------------------------|----------|
| Classification                           | 01/01/2021<br>31/08/2021 | 01/01/2022-<br>31/08/2022 | % Change |
| FALL OF GROUND/rockfall                  | 0                        | 1                         | 100      |
| MACHINERY                                | 1                        | 0                         | -100     |
| TRANSPORTATION AND MINING                | 2                        | 2                         | 0        |
| GENERAL                                  | 2                        | 1                         | -50      |
| CONVEYANCE ACCIDENTS (SHAFT/WINZE)       | 1                        | 0                         | -100     |
| ELECTRICITY                              | 0                        | 0                         | #DIV/0!  |
| FIRES                                    | 0                        | 0                         | #DIV/0!  |
| EXPLOSIVES                               | 0                        | 1                         | 100      |
| SUBSIDENCE OR CAVING                     | 0                        | 0                         | #DIV/0!  |
| HEAT SICKNESS                            | 0                        | 0                         | #DIV/0!  |
| DIVING SICKNESS                          | 0                        | 0                         | #DIV/0!  |
| OCCUPATIONAL DISEASES                    | 0                        | 0                         | #DIV/0!  |
| MISCELLANEOUS (specify)                  | 0                        | 0                         | #DIV/0!  |
| TOTAL                                    | 6                        | 5                         | 0        |

| Other Mines Fatalities per Classification |                          |                           |          |
|-------------------------------------------|--------------------------|---------------------------|----------|
| Classification                            | 01/01/2021<br>31/08/2021 | 01/01/2022-<br>31/08/2022 | % Change |
| FALL OF GROUND/rockfall                   | 1                        | 0                         | -100     |
| MACHINERY                                 | 1                        | 1                         | 0        |
| TRANSPORTATION AND MINING                 | 1                        | 0                         | -100     |
| GENERAL                                   | 1                        | 4                         | 300      |
| CONVEYANCE ACCIDENTS (SHAFT/WINZE)        | 0                        | 0                         | #DIV/0!  |
| ELECTRICITY                               | 0                        | 1                         | 100      |
| FIRES                                     | 0                        | 0                         | #DIV/0!  |
| EXPLOSIVES                                | 0                        | 0                         | #DIV/0!  |
| SUBSIDENCE OR CAVING                      | 1                        | 0                         | -100     |
| HEAT SICKNESS                             | 0                        | 0                         | #DIV/0!  |
| DIVING SICKNESS                           | 0                        | 0                         | #DIV/0!  |
| OCCUPATIONAL DISEASES                     | 0                        | 0                         | #DIV/0!  |
| MISCELLANEOUS (specify)                   | 0                        | 1                         | 100      |
| TOTAL                                     | 5                        | 7                         | 40       |

| Platinum Mines Fatalities per Classification |                          |                           |          |
|----------------------------------------------|--------------------------|---------------------------|----------|
| Classification                               | 01/01/2021<br>31/08/2021 | 01/01/2022-<br>31/08/2022 | % Change |
| FALL OF GROUND/rockfall                      | 5                        | 1                         | -80      |
| MACHINERY                                    | 0                        | 0                         | #DIV/0!  |
| TRANSPORTATION AND MINING                    | 4                        | 5                         | 25       |
| GENERAL                                      | 0                        | 3                         | 300      |
| CONVEYANCE ACCIDENTS (SHAFT/WINZE)           | 0                        | 0                         | #DIV/0!  |
| ELECTRICITY                                  | 0                        | 0                         | #DIV/0!  |
| FIRES                                        | 0                        | 0                         | #DIV/0!  |
| EXPLOSIVES                                   | 0                        | 0                         | #DIV/0!  |
| SUBSIDENCE OR CAVING                         | 0                        | 0                         | #DIV/0!  |
| HEAT SICKNESS                                | 0                        | 0                         | #DIV/0!  |
| DIVING SICKNESS                              | 0                        | 0                         | #DIV/0!  |
| OCCUPATIONAL DISEASES                        | 0                        | 0                         | #DIV/0!  |
| MISCELLANEOUS (specify)                      | 0                        | 1                         | 100      |
| TOTAL                                        | 9                        | 10                        | 100      |

| All Mines Injuries per Classification |                       |                       |          |
|---------------------------------------|-----------------------|-----------------------|----------|
| Classification                        | 01/01/2021-31/08/2021 | 01/01/2022-31/08/2022 | % Change |
| FALL OF GROUND/rockfall               | 260                   | 192                   | -26      |
| MACHINERY                             | 110                   | 102                   | -7       |
| TRANSPORTATION AND MINING             | 234                   | 242                   | 3        |
| GENERAL                               | 807                   | 721                   | -11      |
| CONVEYANCE ACCIDENTS (SHAFT/WINZE)    | 26                    | 18                    | -31      |
| ELECTRICITY (Not causing fire)        | 7                     | 6                     | -14      |
| FIRES                                 | 3                     | 5                     | 67       |
| EXPLOSIVES                            | 5                     | 1                     | -80      |
| SUBSIDENCE OR CAVING                  | 1                     | 0                     | -100     |
| HEAT SICKNESS                         | 4                     | 3                     | -25      |
| DIVING SICKNESS                       | 0                     | 0                     | #DIV/0!  |
| OCCUPATIONAL DISEASES                 | 0                     | 1                     | 100      |
| MISCELLANEOUS (specify)               | 7                     | 37                    | 429      |
| TOTAL                                 | 1464                  | 1328                  | -9       |

| Gold Mines Injuries per Classification |                       |                       |          |
|----------------------------------------|-----------------------|-----------------------|----------|
| Classification                         | 01/01/2021-31/08/2021 | 01/01/2022-31/08/2022 | % Change |
| FALL OF GROUND/rockfall                | 140                   | 68                    | -51      |
| MACHINERY                              | 39                    | 28                    | -28      |
| TRANSPORTATION AND MINING              | 78                    | 71                    | -9       |
| GENERAL                                | 236                   | 159                   | -33      |
| CONVEYANCE ACCIDENTS (SHAFT/WINZE)     | 4                     | 3                     | -25      |
| ELECTRICITY (Not causing fire)         | 2                     | 1                     | -50      |
| FIRES                                  | 0                     | 0                     | 100      |
| EXPLOSIVES                             | 5                     | 0                     | -500     |
| SUBSIDENCE OR CAVING                   | 0                     | 0                     | #DIV/0!  |
| HEAT SICKNESS                          | 4                     | 3                     | -25      |
| DIVING SICKNESS                        | 0                     | 0                     | #DIV/0!  |
| OCCUPATIONAL DISEASES                  | 0                     | 1                     | 100      |
| MISCELLANEOUS (specify)                | 0                     | 4                     | 400      |
| TOTAL                                  | 508                   | 338                   | -33      |

| Coal Mines Injuries per Classification |                       |                       |          |
|----------------------------------------|-----------------------|-----------------------|----------|
| Classification                         | 01/01/2021-31/08/2021 | 01/01/2022-31/08/2022 | % Change |
| FALL OF GROUND/rockfall                | 6                     | 6                     | 0        |
| MACHINERY                              | 11                    | 13                    | 18       |
| TRANSPORTATION AND MINING              | 24                    | 24                    | 0        |
| GENERAL                                | 66                    | 79                    | 20       |
| CONVEYANCE ACCIDENTS (SHAFT/WINZE)     | 0                     | 0                     | #DIV/0!  |
| ELECTRICITY (Not causing fire)         | 1                     | 2                     | 100      |
| FIRES                                  | 1                     | 0                     | -100     |
| EXPLOSIVES                             | 0                     | 0                     | #DIV/0!  |
| SUBSIDENCE OR CAVING                   | 1                     | 0                     | -100     |
| HEAT SICKNESS                          | 0                     | 0                     | #DIV/0!  |
| DIVING SICKNESS                        | 0                     | 0                     | #DIV/0!  |
| OCCUPATIONAL DISEASES                  | 0                     | 0                     | #DIV/0!  |
| MISCELLANEOUS (specify)                | 0                     | 6                     | 600      |
| TOTAL                                  | 110                   | 130                   | 18       |

| Other Mines Injuries per Classification |                       |                       |          |
|-----------------------------------------|-----------------------|-----------------------|----------|
| Classification                          | 01/01/2021-31/08/2021 | 01/01/2022-31/08/2022 | % Change |
| FALL OF GROUND/rockfall                 | 5                     | 6                     | 20       |
| MACHINERY                               | 22                    | 29                    | 32       |
| TRANSPORTATION AND MINING               | 16                    | 23                    | 44       |
| GENERAL                                 | 94                    | 97                    | 3        |
| CONVEYANCE ACCIDENTS (SHAFT/WINZE)      | 2                     | 0                     | -100     |
| ELECTRICITY (Not causing fire)          | 2                     | 1                     | -50      |
| FIRES                                   | 2                     | 1                     | -50      |
| EXPLOSIVES                              | 0                     | 1                     | 100      |
| SUBSIDENCE OR CAVING                    | 0                     | 0                     | #DIV/0!  |
| HEAT SICKNESS                           | 0                     | 0                     | #DIV/0!  |
| DIVING SICKNESS                         | 0                     | 0                     | #DIV/0!  |
| OCCUPATIONAL DISEASES                   | 0                     | 0                     | #DIV/0!  |
| MISCELLANEOUS (specify)                 | 4                     | 10                    | 150      |
| TOTAL                                   | 147                   | 168                   | 14       |

| Platinum Mines Injuries per Classification |                       |                       |          |
|--------------------------------------------|-----------------------|-----------------------|----------|
| Classification                             | 01/01/2021-31/08/2021 | 01/01/2022-31/08/2022 | % Change |
| FALL OF GROUND/rockfall                    | 109                   | 112                   | 3        |
| MACHINERY                                  | 38                    | 32                    | -16      |
| TRANSPORTATION AND MINING                  | 116                   | 124                   | 7        |
| GENERAL                                    | 411                   | 386                   | -6       |
| CONVEYANCE ACCIDENTS (SHAFT/WINZE)         | 20                    | 15                    | -25      |
| ELECTRICITY (Not causing fire)             | 2                     | 2                     | 0        |
| FIRES                                      | 0                     | 4                     | 400      |
| EXPLOSIVES                                 | 0                     | 0                     | #DIV/0!  |
| SUBSIDENCE OR CAVING                       | 0                     | 0                     | #DIV/0!  |
| HEAT SICKNESS                              | 0                     | 0                     | #DIV/0!  |
| DIVING SICKNESS                            | 0                     | 0                     | #DIV/0!  |
| OCCUPATIONAL DISEASES                      | 0                     | 0                     | #DIV/0!  |
| MISCELLANEOUS (specify)                    | 3                     | 17                    | 467      |
| TOTAL                                      | 699                   | 692                   | -1       |

| Classification*                     | Persons<br>Fatally<br>Injured | Percentage  |
|-------------------------------------|-------------------------------|-------------|
| General (Struck by)                 | 6                             | 18%         |
| General (Mudrush)                   | 4                             | 11%         |
| Transportation and Mining (Winches) | 4                             | 11%         |
| Miscellaneous                       | 3                             | 9%          |
| FOG                                 | 3                             | 9%          |
| Transportation and Mining (RBE)     | 3                             | 9%          |
| Transportation and Mining (TMM)     | 3                             | 9%          |
| General (Fell in)                   | 2                             | 6%          |
| General (Rolling rock)              | 1                             | 3%          |
| Explosives                          | 1                             | 3%          |
| Machinery-Other (Chairlift)         | 1                             | 3%          |
| Electricity                         | 1                             | 3%          |
| Conveyance                          | 1                             | 3%          |
| Fire                                | 1                             | 3%          |
| <b>TOTAL</b>                        | <b>34</b>                     | <b>100%</b> |

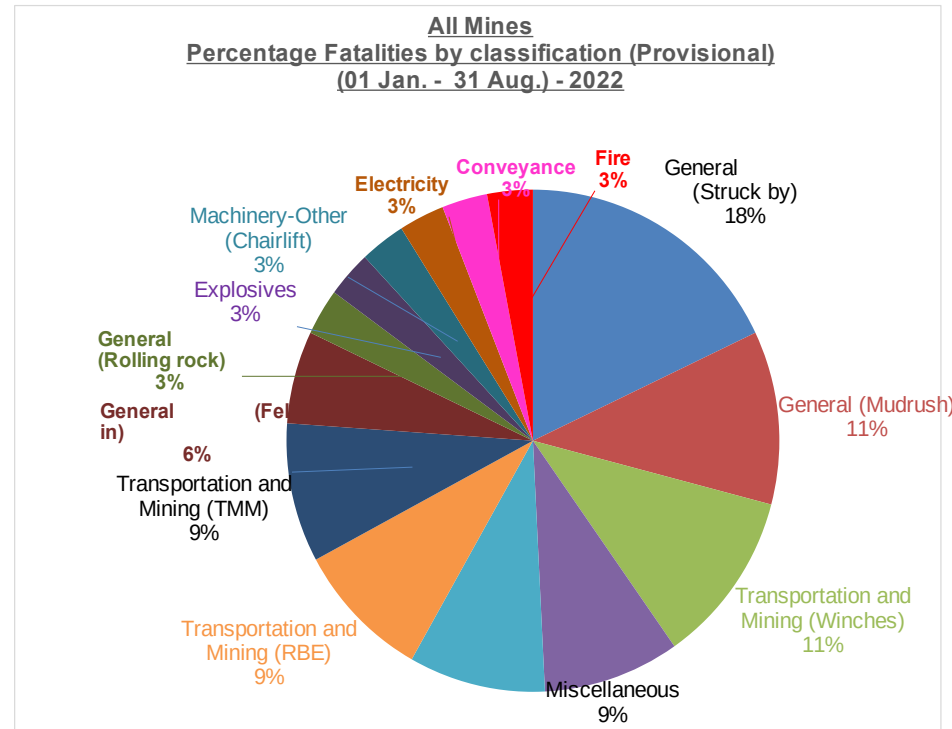
\* provisional

**Miscellaneous:** Cause of fatality not yet determined.

**FOG:** Fall of Ground

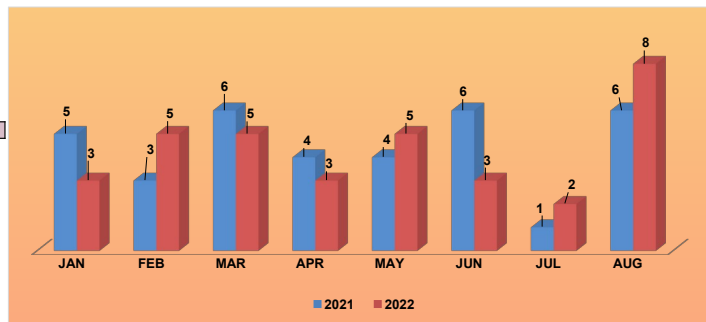
**RBE:** Railbound Equipment

**TMM:** Trackless Mobile Machines



| 2022 August |           | Provisional statistics |                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                     |                      |            |           |
|-------------|-----------|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|----------------------|------------|-----------|
| Region      | Mine name | Technical manager      | Accident Description                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Classification (Provisional)        | Number of fatalities | Date       | Commodity |
| MP          |           |                        | The now deceased Continuous Miner (CM) Operator was fatally injured when he got pinched between the CM and the ribside whilst relocating the CM. The CM remote was still in his hand and the second remote had to be used to move the CM and free him. He was declared deceased on the scene.                                                                                                                                                                                 | Transportation and Mining (TMM)     | 1                    | 08/08/2022 | Coal      |
| WC          |           |                        | The now deceased Forklift Operator was fatally injured when he was struck by the forklift that he was operating. In the process of throwing out the ton bags onto a truck with a forklift, the ton bag got stuck. The truck driver reversed the truck and the truck bumped onto the forklift, toppling it. The truck kept reversing. At that point, the now deceased Forklift Operator jumped out of the falling forklift and the forklift fell on him, fatally striking him. | General (Struck by)                 | 1                    | 07/08/2022 | Salt      |
| KLD         |           |                        | The now deceased Team Leader was fatally injured by fall of ground whilst barring down a bad hanging in preparation for pack installation. He was declared deceased by paramedics on the scene.                                                                                                                                                                                                                                                                               | FOG                                 | 1                    | 13/08/2022 | Gold      |
| MP          |           |                        | The now deceased Bulldozer Operator was fatally injured when he was run over by an ADT (Articulated Dump Truck).                                                                                                                                                                                                                                                                                                                                                              | Transportation and Mining (TMM)     | 1                    | 15/08/2022 | Coal      |
| RST         |           |                        | Subsequent fatality: The now deceased employee, who was injured on 03 June 2022 during uncoupling of hoppers, passed away at a private hospital on 15 August 2022 where he was undergoing skin graft.                                                                                                                                                                                                                                                                         | Transportation and Mining (RBE)     | 1                    | 15/08/2022 | Platinum  |
| RST         |           |                        | The now deceased Blade Saw Supervisor was fatally injured when a quarry blade saw fell on him, in the process of changing the blades from 2.5m diameter to 3.5m diameter.                                                                                                                                                                                                                                                                                                     | General (Struck by)                 | 1                    | 20/08/2022 | Granite   |
| RST         |           |                        | The now deceased employee was fatally injured in a winch-related accident. In the process of ledging, a disconnected electrical cable was caught by the scraper, then pulled tight and strangled the now deceased, who was in the nearby raise, against the sidewall.                                                                                                                                                                                                         | Transportation and Mining (Winches) | 1                    | 29/08/2022 | Platinum  |
| RST         |           |                        | The now deceased employee was fatally injured when he was struck by ore rushing out of the box. The now deceased was attending to a breakdown on the loading box radial door which was stuck half way open. Whilst assessing the breakdown from the top of the platform in order to put measures in place to close the radial door, ore rushed out of the box and struck him.                                                                                                 | General (Struck by)                 | 1                    | 30/08/2022 | Platinum  |
|             |           |                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                     | 8                    |            |           |

|      | 2021 | 2022 | % Change              |
|------|------|------|-----------------------|
| JAN  | 5    | 3    | -40                   |
| FEB  | 3    | 5    | 67                    |
| MAR  | 6    | 5    | -17                   |
| APR  | 4    | 3    | -25                   |
| MAY  | 4    | 5    | 25                    |
| JUN  | 6    | 3    | -50                   |
| JUL  | 1    | 2    | 100                   |
| AUG  | 6    | 8    | 33 as on 31-Aug.-2022 |
| Year | 35   | 34   | -3                    |



Fatalities 2022

|              | Gold                                                                                 | Coal                                                                                | Platinum                                                                             | Other                                                                               |            |
|--------------|--------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|------------|
| January      |  2  |  0 |  1  |  0 |            |
| February     |  1  |  1 |  1  |  2 |            |
| March        |  1  |  2 |  1  |  1 |            |
| April        |  1  |  0 |  1  |  1 |            |
| May          |  4  |  0 |  0  |  1 |            |
| June         |  1  |  0 |  2  |  0 |            |
| July         |  1  |  0 |  1  |  0 |            |
| August       |  1  |  2 |  3  |  2 | as on 31-/ |
| Total:       |  12 |  5 |  10 |  7 |            |
| Grand total: | 34                                                                                   |                                                                                     |                                                                                      |                                                                                     |            |

# Fatalities 2021

|          | W Cape | N Cape | F State | E Cape | KZN | Mpumalanga | Limpopo | Gauteng | Klerksdorp | Rustenburg |
|----------|--------|--------|---------|--------|-----|------------|---------|---------|------------|------------|
| January  | 0      | 0      | 0       | 0      | 0   | 0          | 0       | 2       | 0          | 1          |
| February | 0      | 0      | 1       | 0      | 0   | 1          | 0       | 0       | 0          | 3          |
| March    | 0      | 1      | 0       | 0      | 1   | 1          | 0       | 1       | 0          | 1          |
| April    | 0      | 0      | 0       | 0      | 0   | 0          | 0       | 0       | 1          | 2          |
| May      | 0      | 0      | 0       | 0      | 0   | 0          | 1       | 4       | 0          | 0          |
| June     | 0      | 0      | 0       | 0      | 0   | 0          | 1       | 1       | 0          | 1          |
| July     | 0      | 0      | 1       | 0      | 0   | 0          | 0       | 0       | 0          | 1          |
| August   | 1      | 0      | 0       | 0      | 0   | 2          | 0       | 0       | 1          | 4          |
| Total:   | 1      | 1      | 2       | 0      | 1   | 4          | 2       | 8       | 2          | 13         |

as on 31-/

Total: 34