

# 2025 Order 42 Airborne Dust Results Summary



# 2025 Monitoring Data – Key Trends



## Reductions in

- RCS (quartz) exceedances, exceedance rate and average exposures
- Average RCS exposure for all workers ( $<0.025\text{mg}/\text{m}^3$ )
- Average DPM exposures
- Percentage of workers not wearing RPE when airborne dust results exceed WES
- Percentage of workers not clean shaven when airborne dust results exceed WES



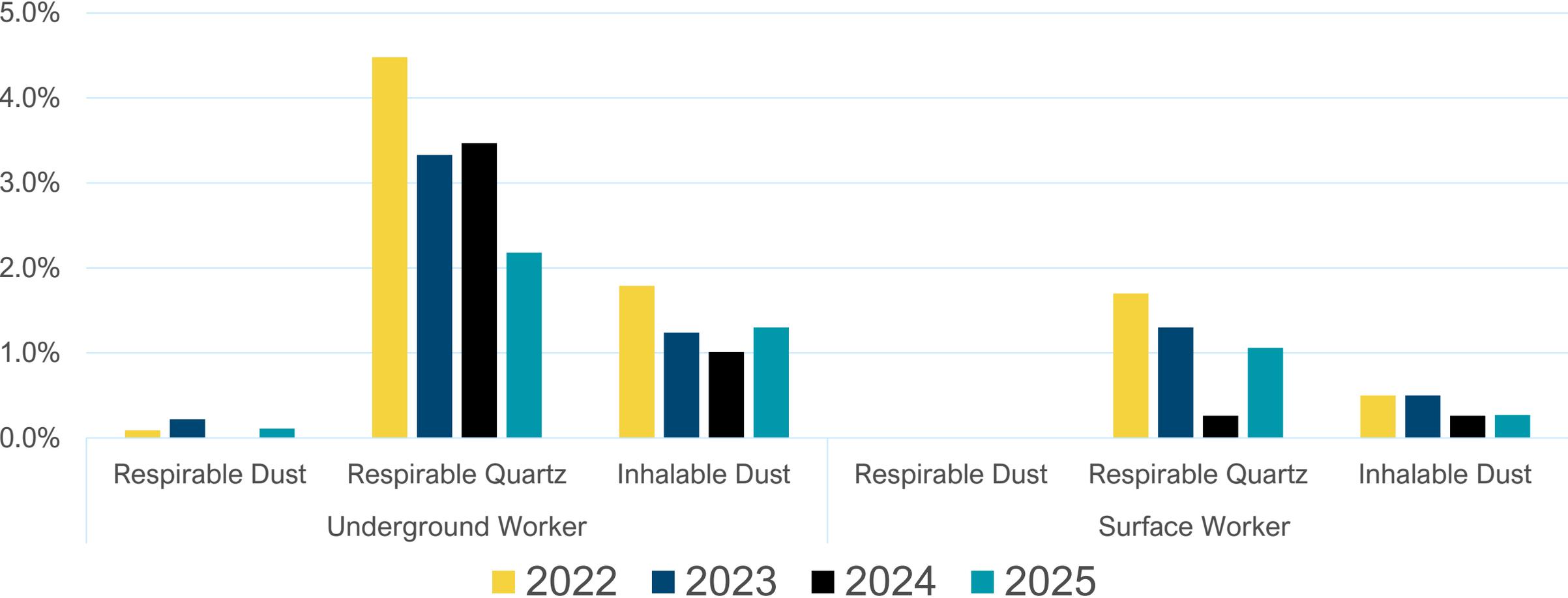
## Increases in

- RCS exceedance rate for surface workers
- Respirable and inhalable dust exceedances and exceedance rates (small number of samples)
- Average inhalable dust exposure for cement sprayers and underground other

# 2025 Order 42 Airborne Dust Monitoring



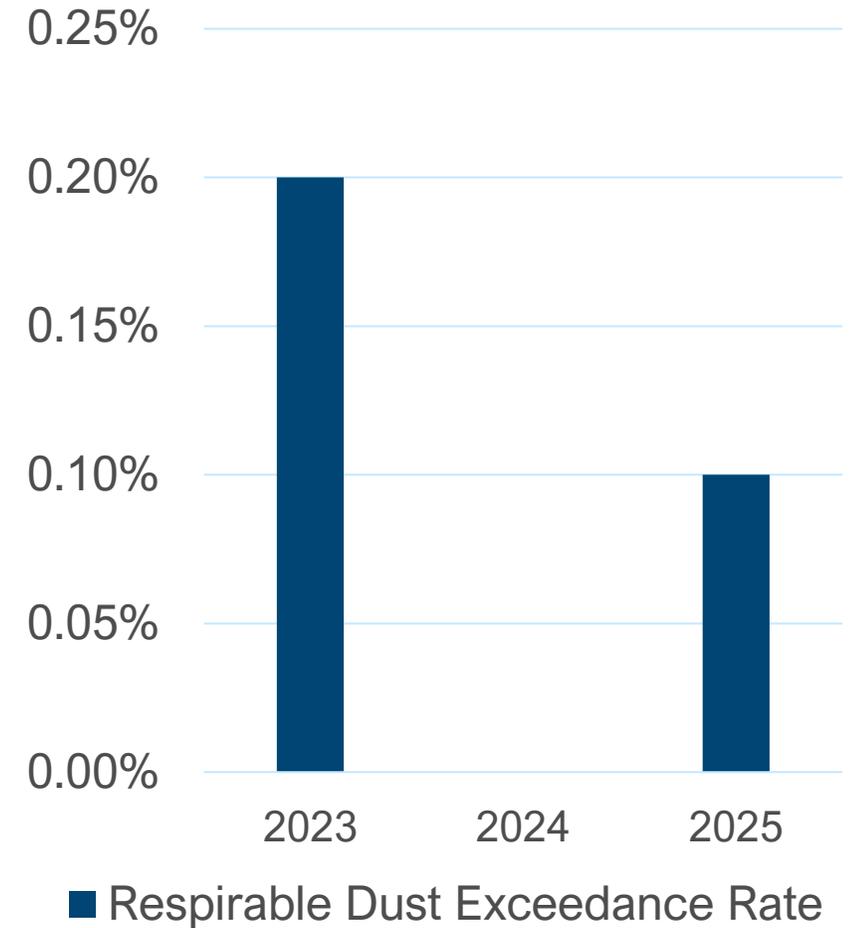
## NSW Airborne Dust Exceedance Rates



# Respirable Dust Results and Exceedances

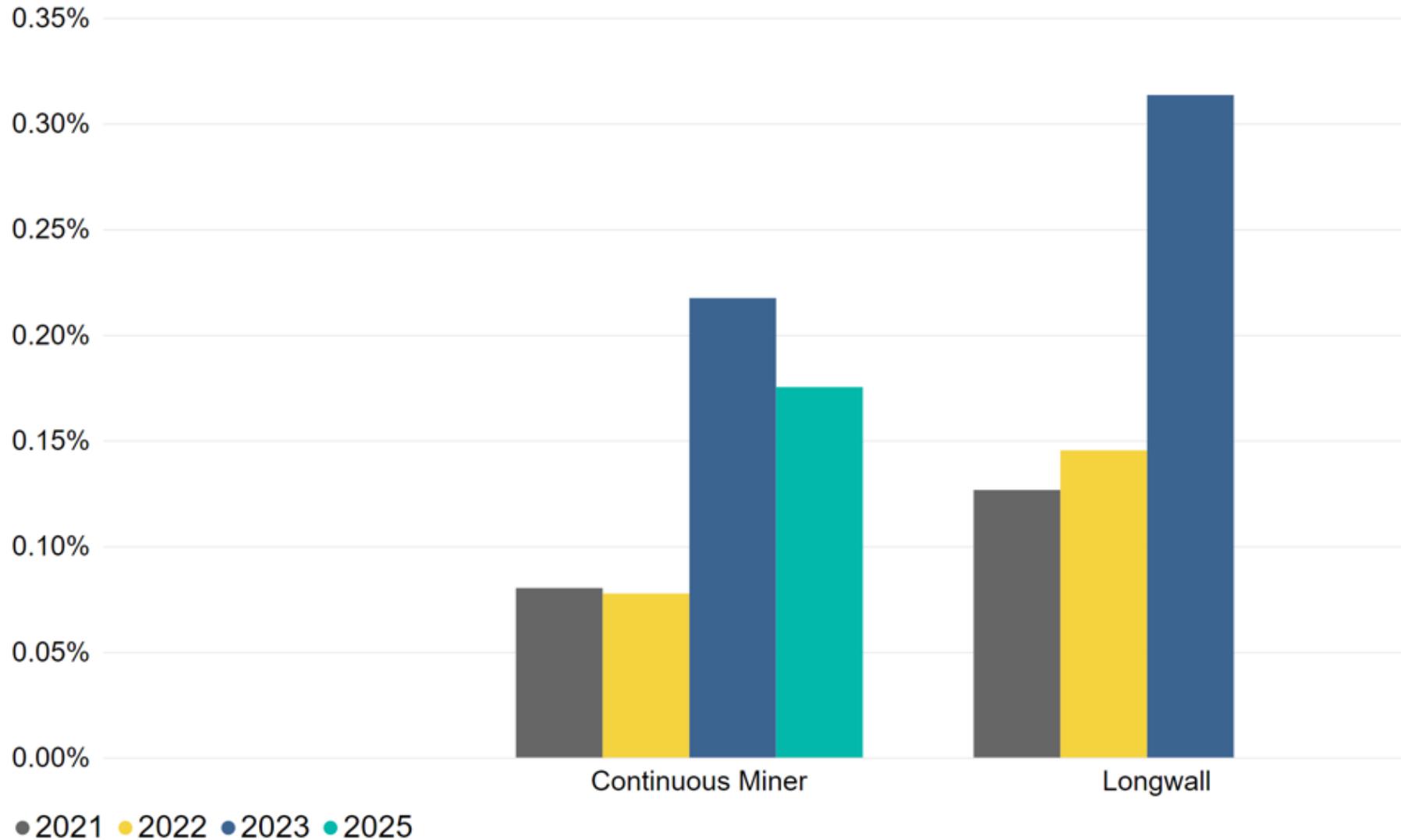


|                                   | 2023        | 2024        | 2025        |
|-----------------------------------|-------------|-------------|-------------|
| Respirable Dust Results           | 2602        | 2337        | 2150        |
| Respirable Dust Exceedances       | 5           | 0           | 2           |
| Respirable Dust Exceedance Rate % | <b>0.2%</b> | <b>0.0%</b> | <b>0.1%</b> |



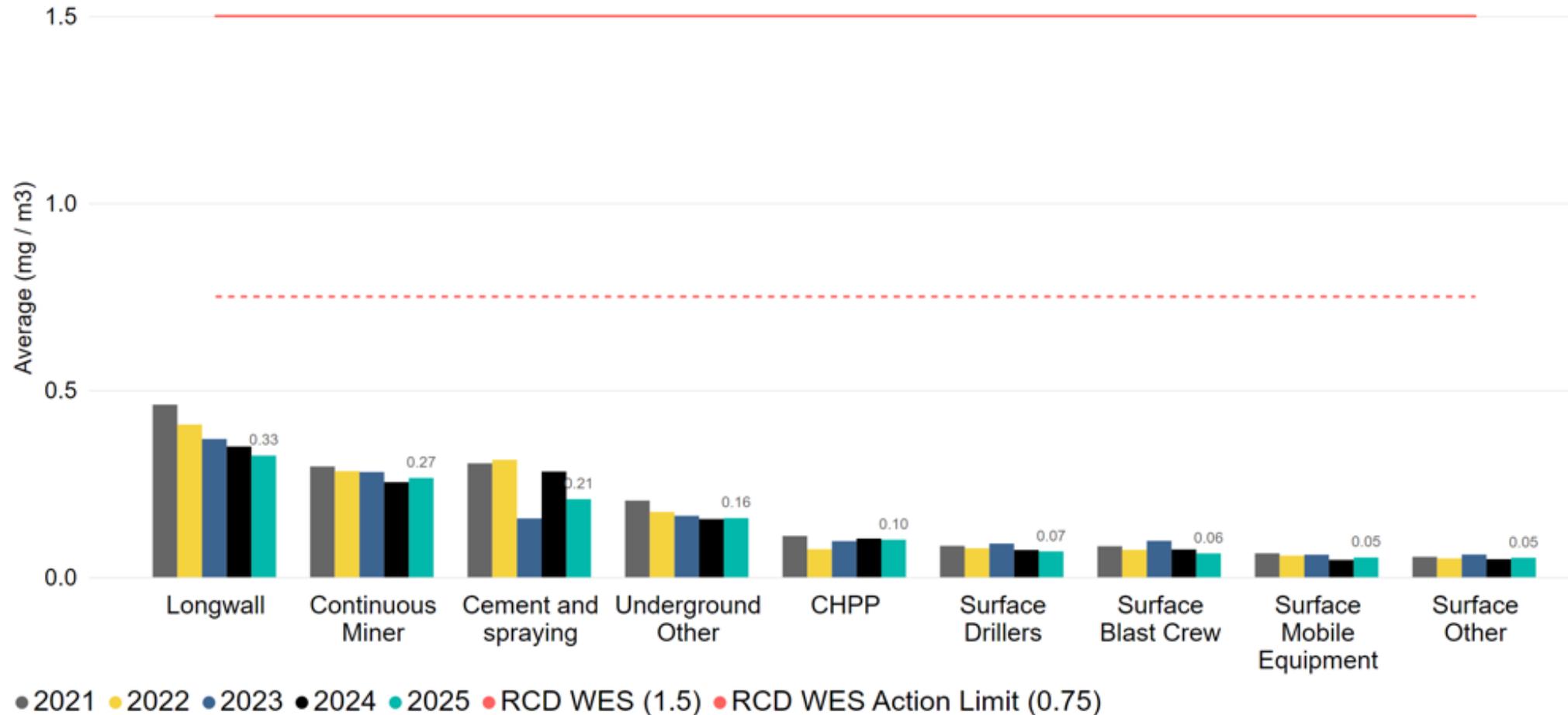
# 2025 Order 42 Respirable Dust Monitoring Results

## WES Exceedance Rate by SEG



# 2025 Order 42 Respirable Dust Monitoring Results

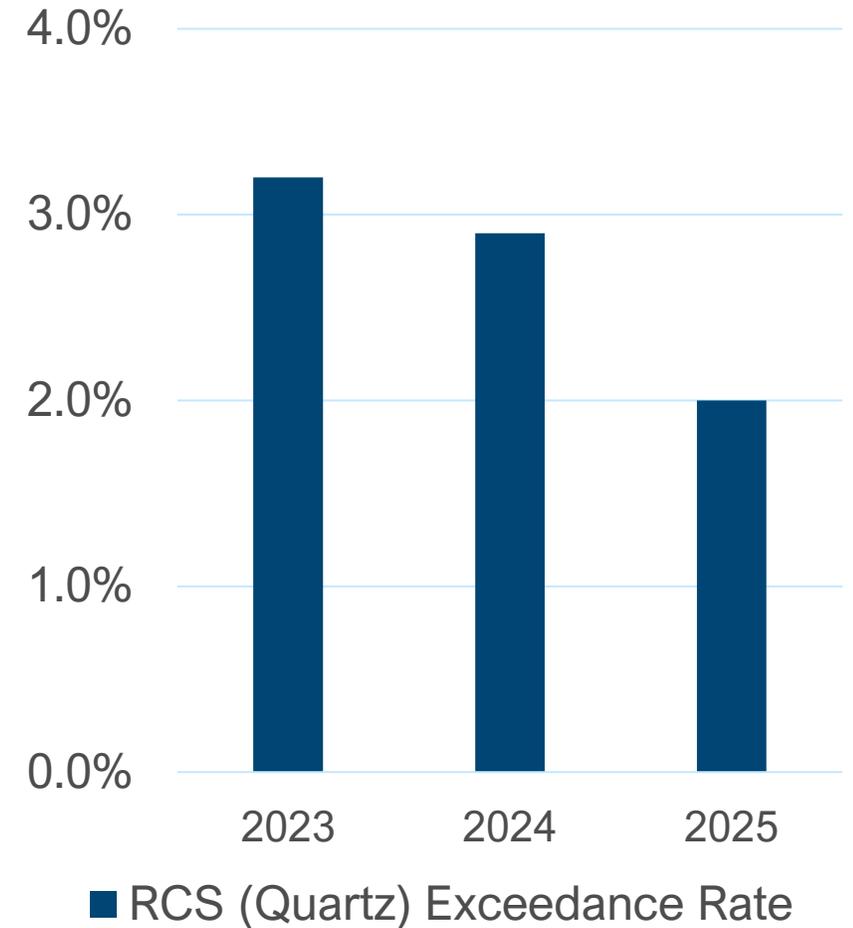
## Average Exposure by SEG



# RCS (Quartz) Results and Exceedances



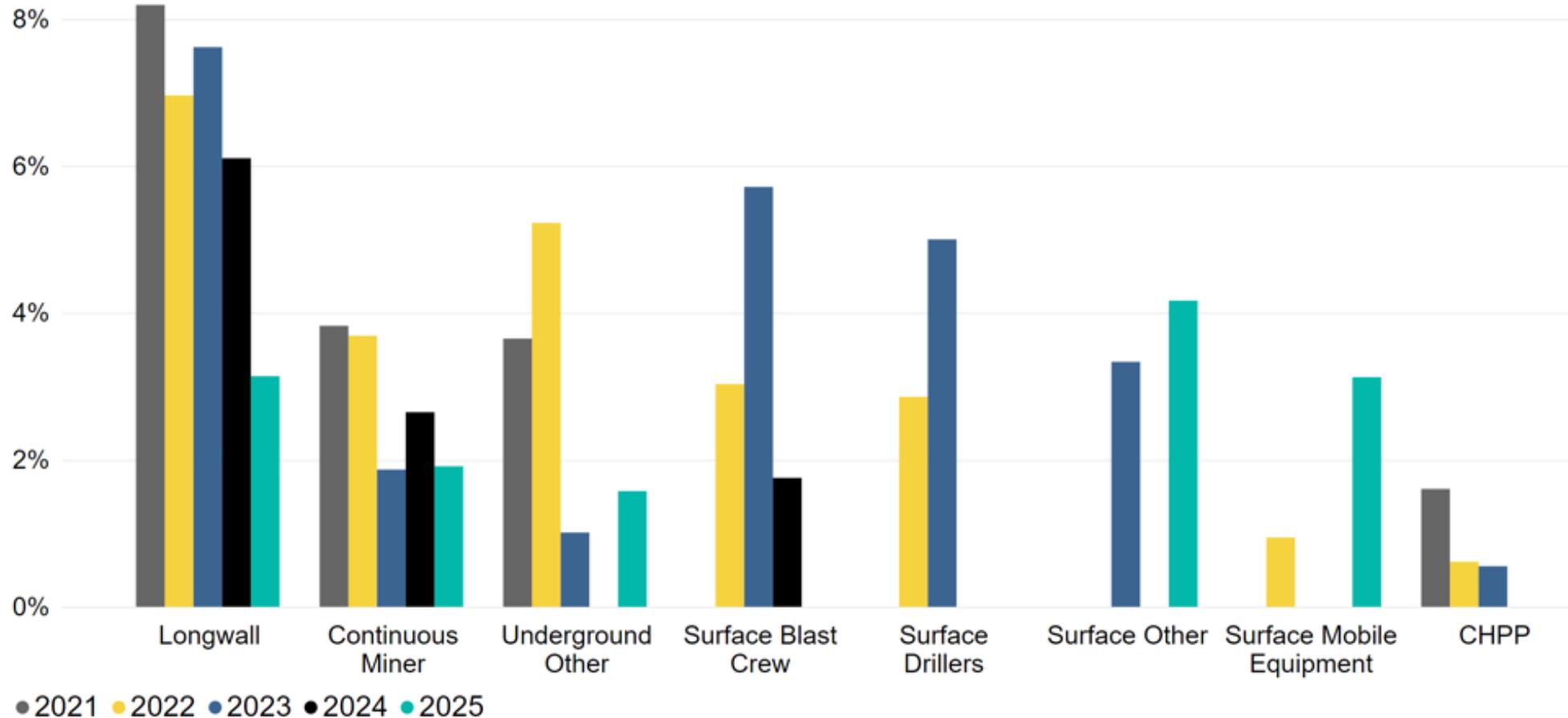
|                                     | 2023        | 2024        | 2025        |
|-------------------------------------|-------------|-------------|-------------|
| Respirable Quartz Results           | 2442        | 2197        | 2076        |
| Respirable Quartz Exceedances       | 79          | 64          | 41          |
| Respirable Quartz Exceedance Rate % | <b>3.2%</b> | <b>2.9%</b> | <b>2.0%</b> |



# 2025 Order 42 Respirable Quartz Monitoring Results



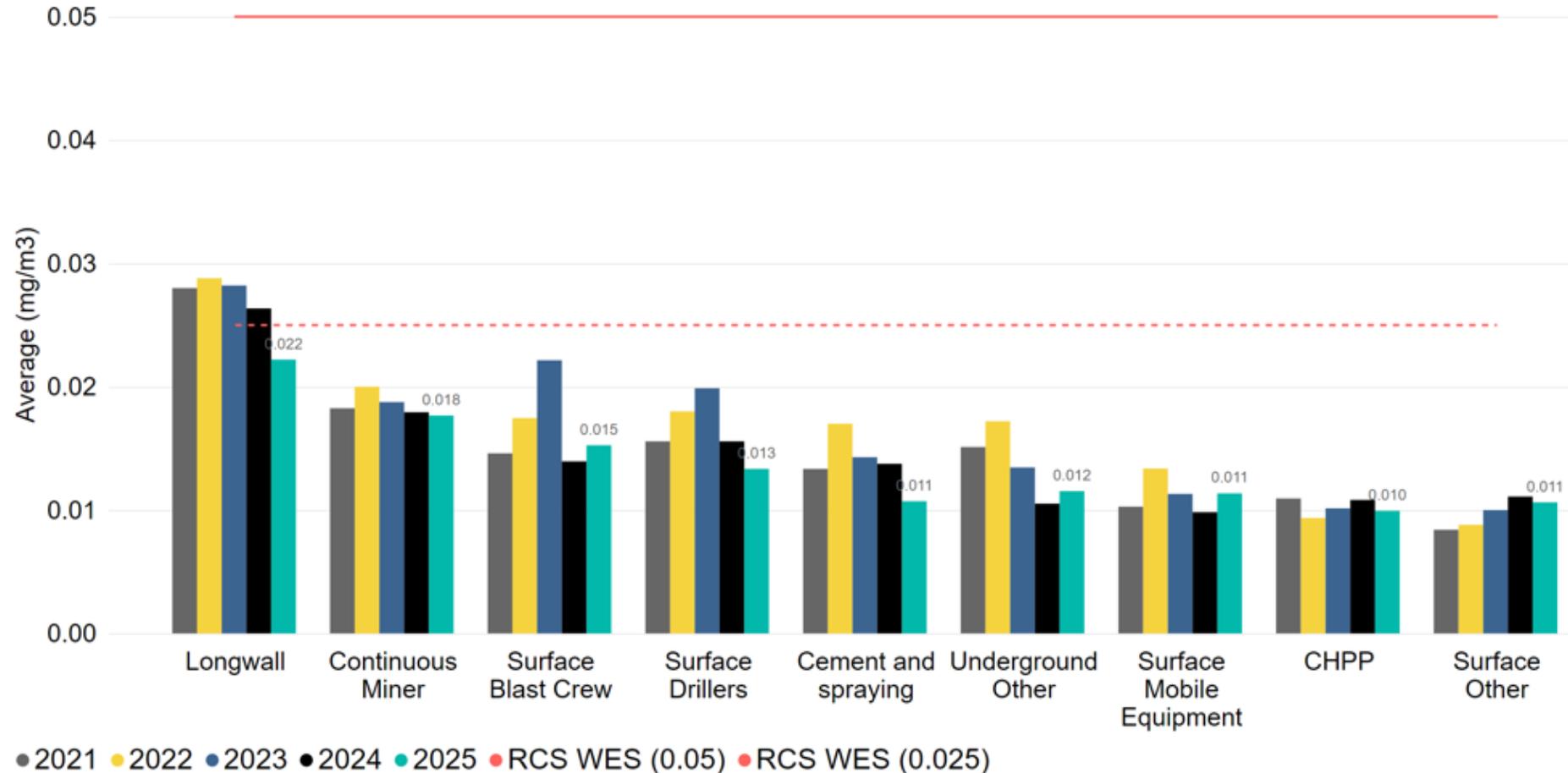
## WES Exceedance Rate by SEG



# 2025 Order 42 Respirable Quartz Monitoring Results



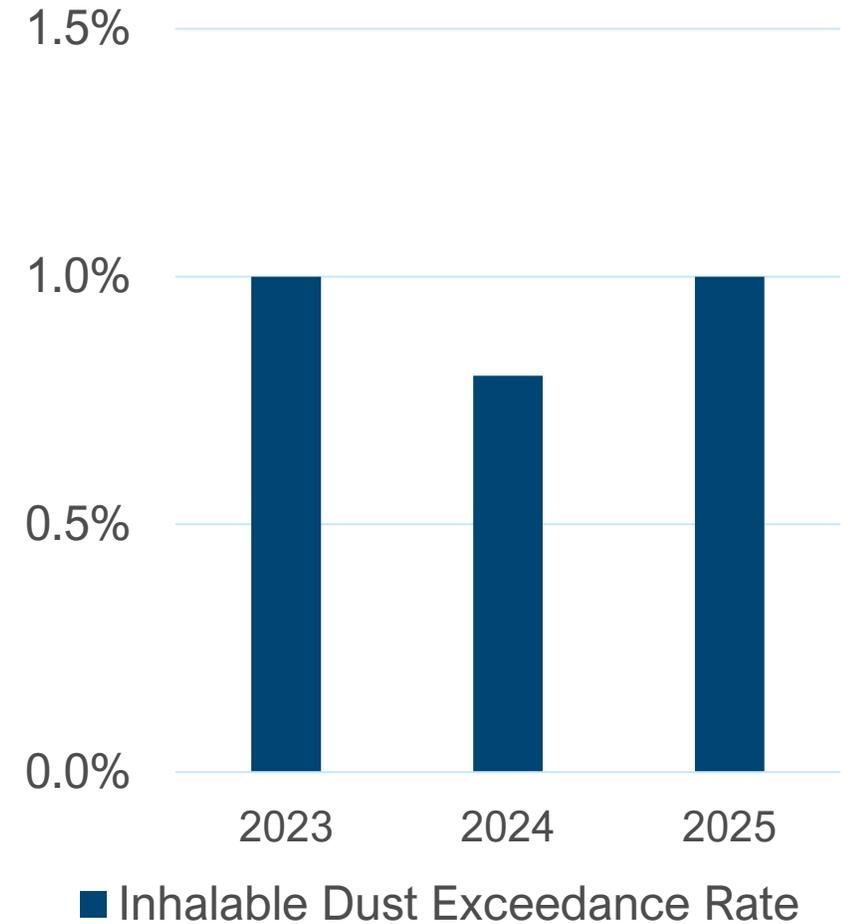
## Average Exposure by SEG



# Inhalable Dust Results and Exceedances

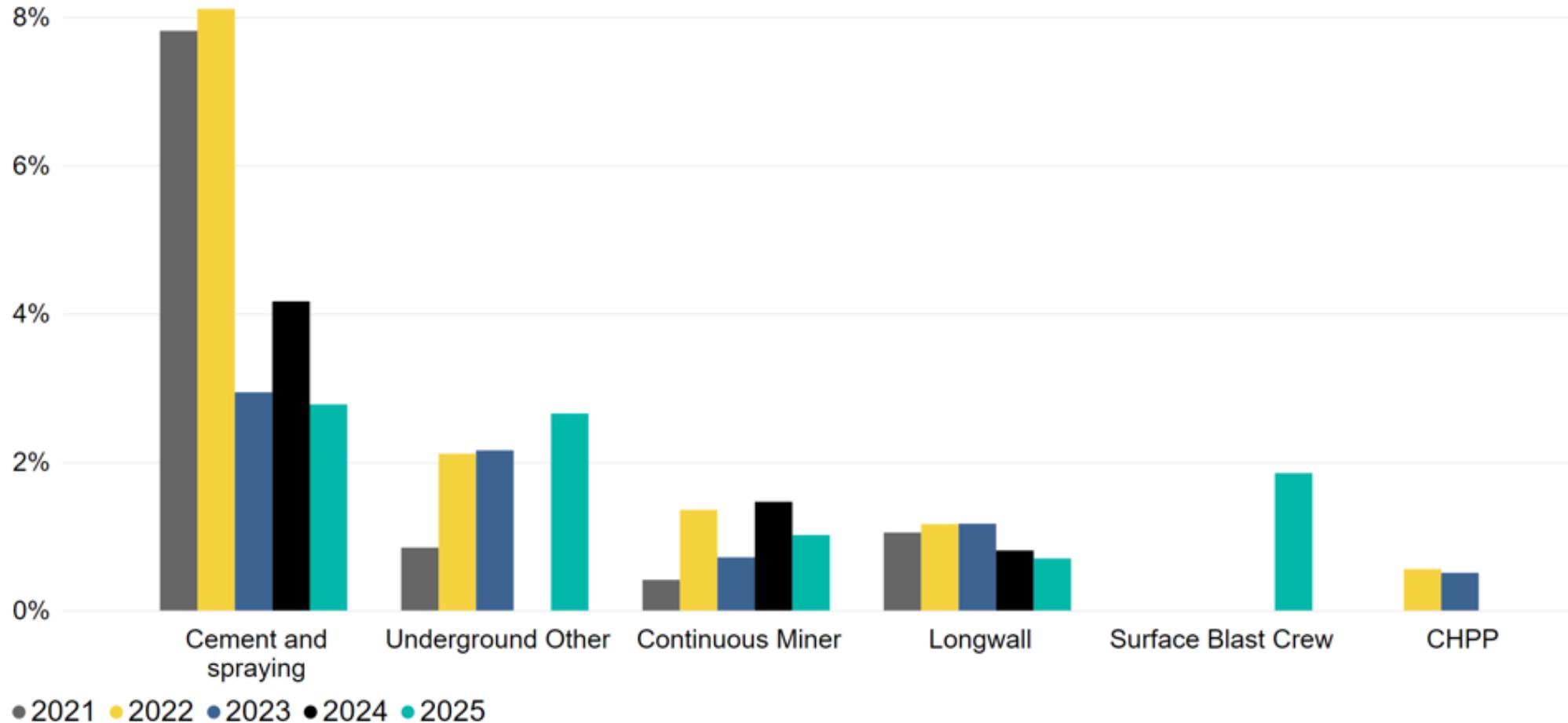


|                                  | 2023        | 2024        | 2025        |
|----------------------------------|-------------|-------------|-------------|
| Inhalable Results                | 1268        | 1183        | 1142        |
| Inhalable Dust Exceedances       | 13          | 9           | 11          |
| Inhalable Dust Exceedance Rate % | <b>1.0%</b> | <b>0.8%</b> | <b>1.0%</b> |



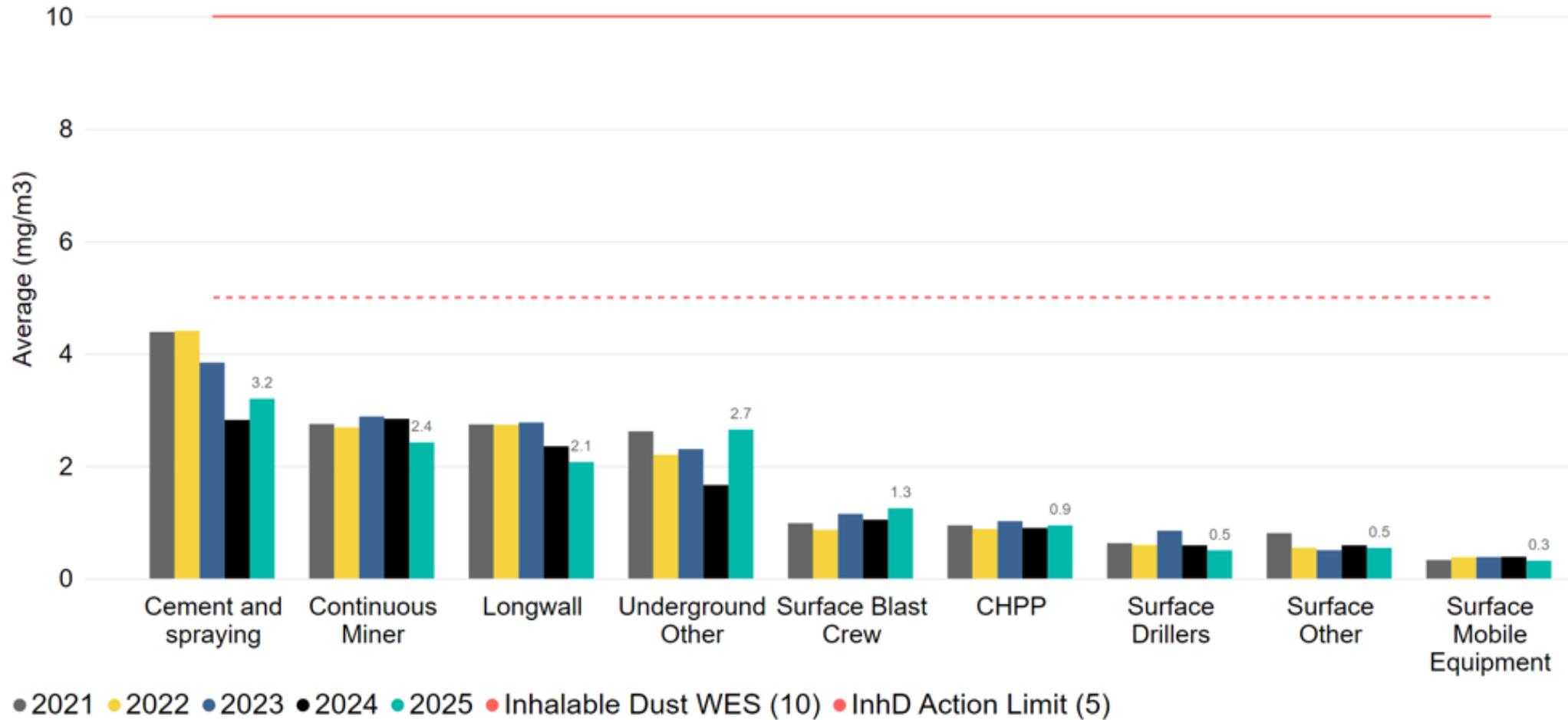
# 2025 Order 42 Inhalable Dust Monitoring Results

## WES Exceedance Rate by SEG



# 2025 Order 42 Inhalable Dust Monitoring Results

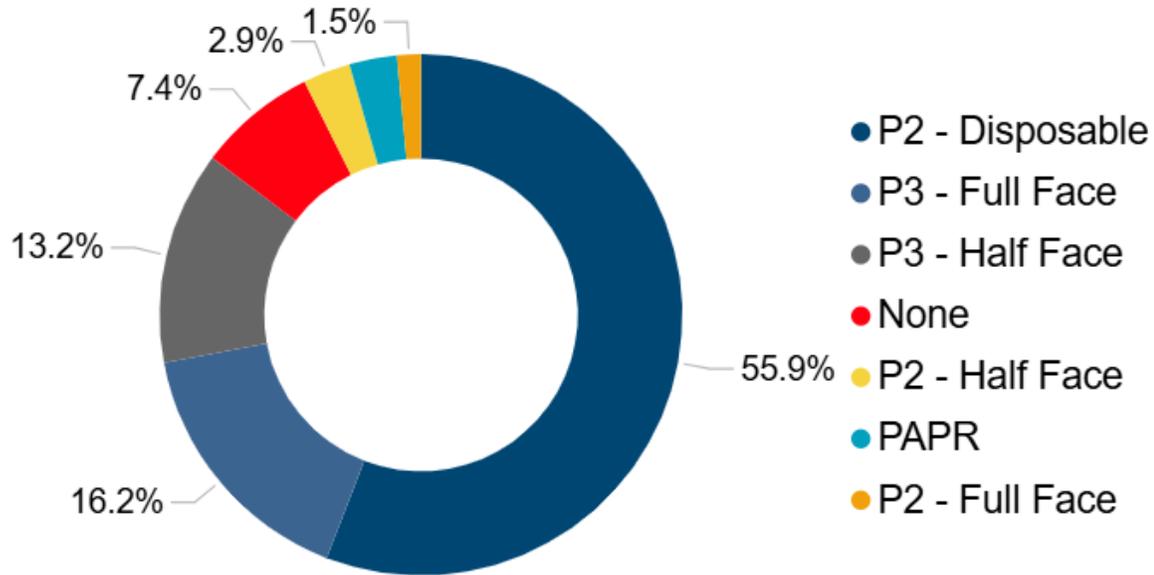
## Average Exposure by SEG



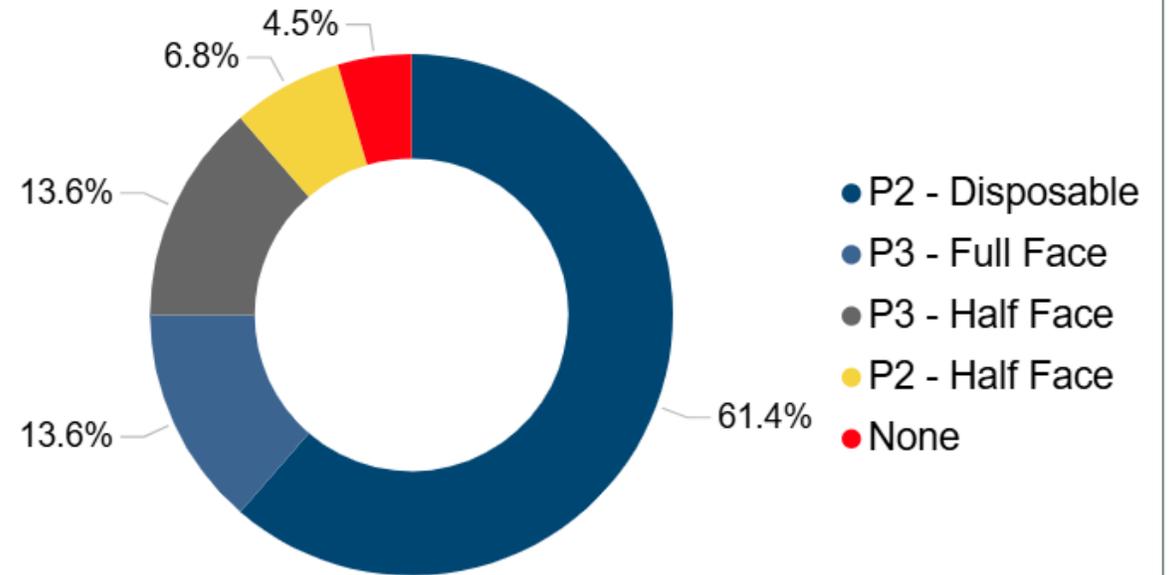
# 2024/25 Order 42 Respiratory Protective Equipment Use for WES Exceedances – Underground Workers



**Airborne Dust Exceedances RPE use 2024**

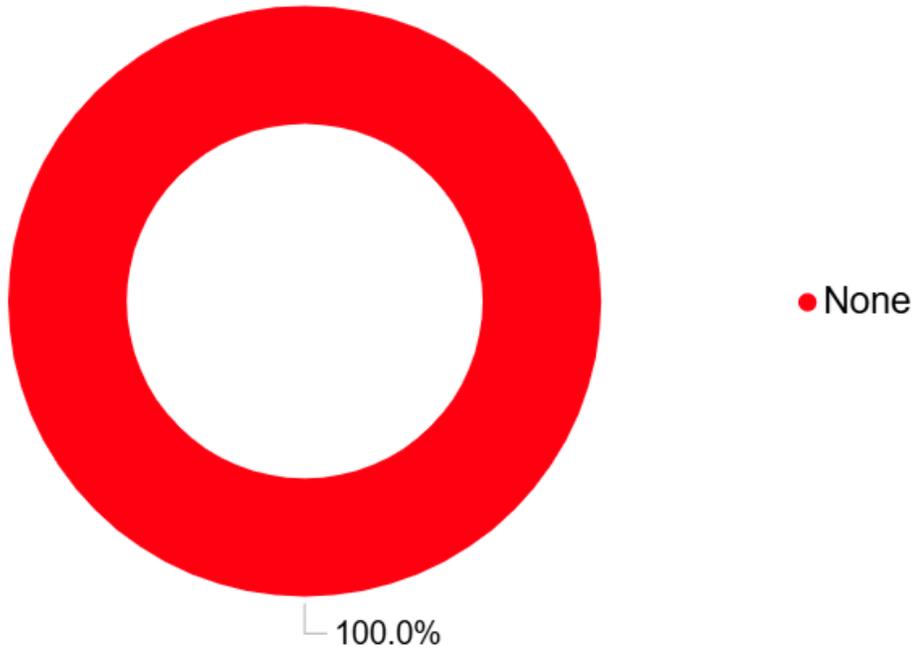


**Airborne Dust Exceedances RPE use 2025**

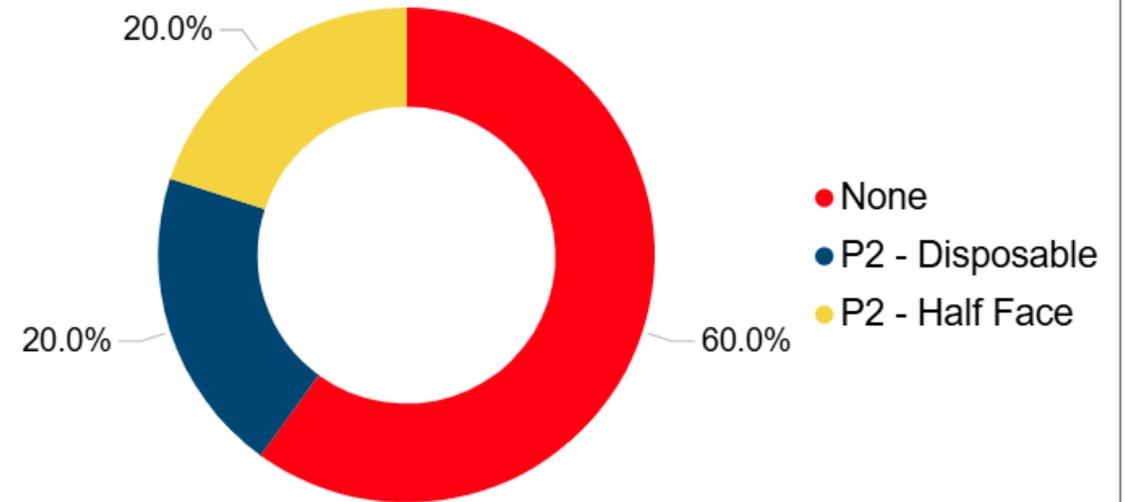


# 2024/25 Order 42 Respiratory Protective Equipment Use for WES Exceedances – Surface Workers

Airborne Dust Exceedances RPE use 2024



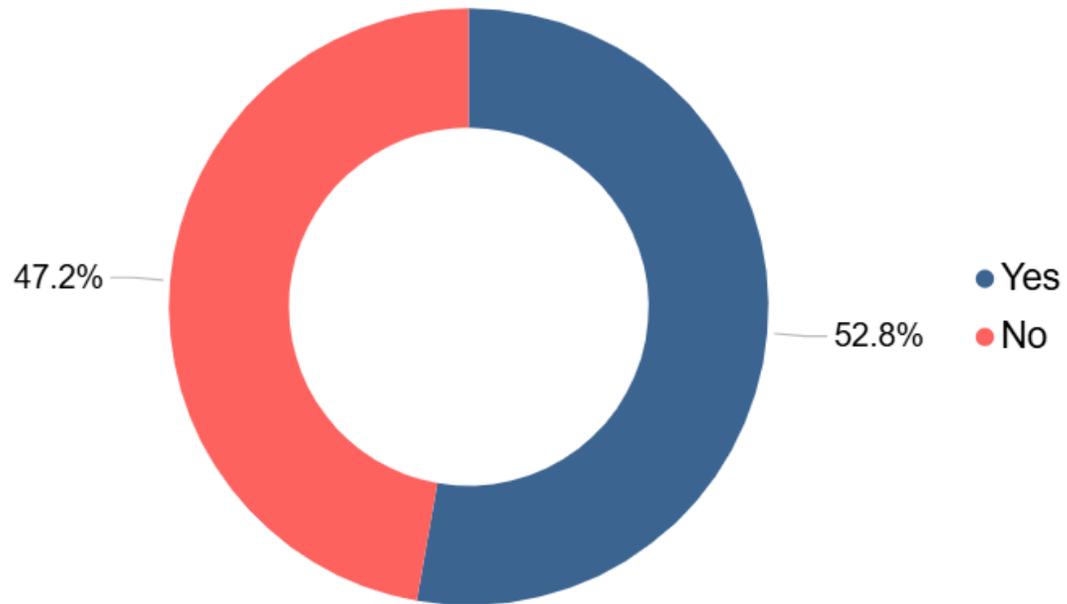
Airborne Dust Exceedances RPE use 2025



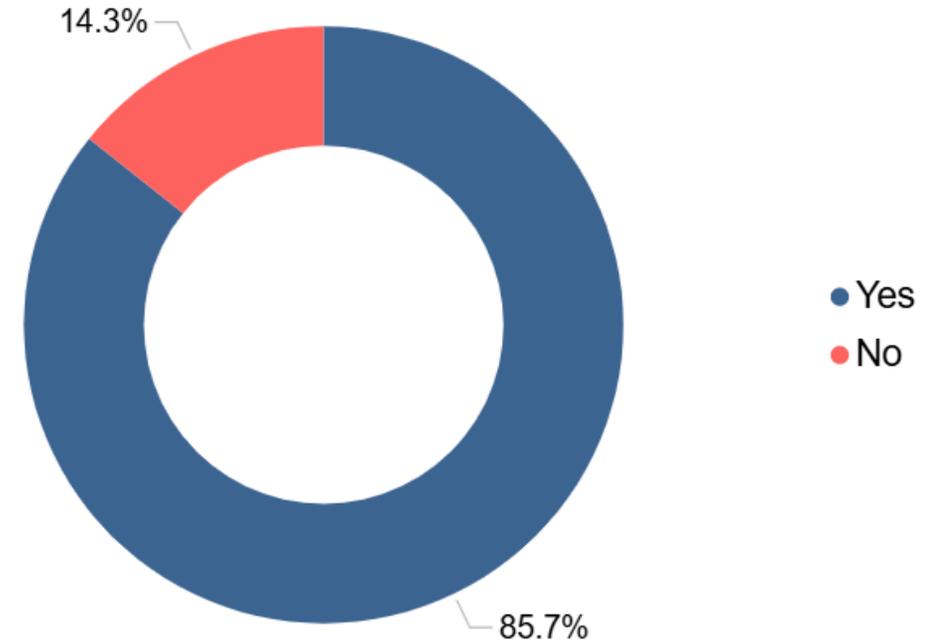
# 2024/2025 Order 42 Clean Shaven Status for WES Exceedances – Underground Workers



**Airborne Dust Exceedances Worker Clean Shaven 2024**



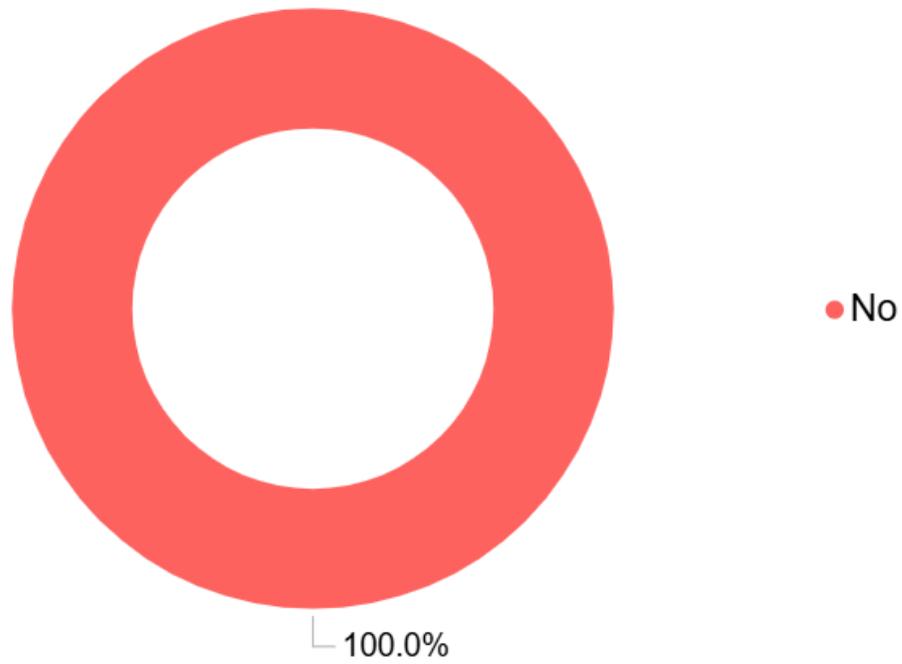
**Airborne Dust Exceedances Worker Clean Shaven 2025**



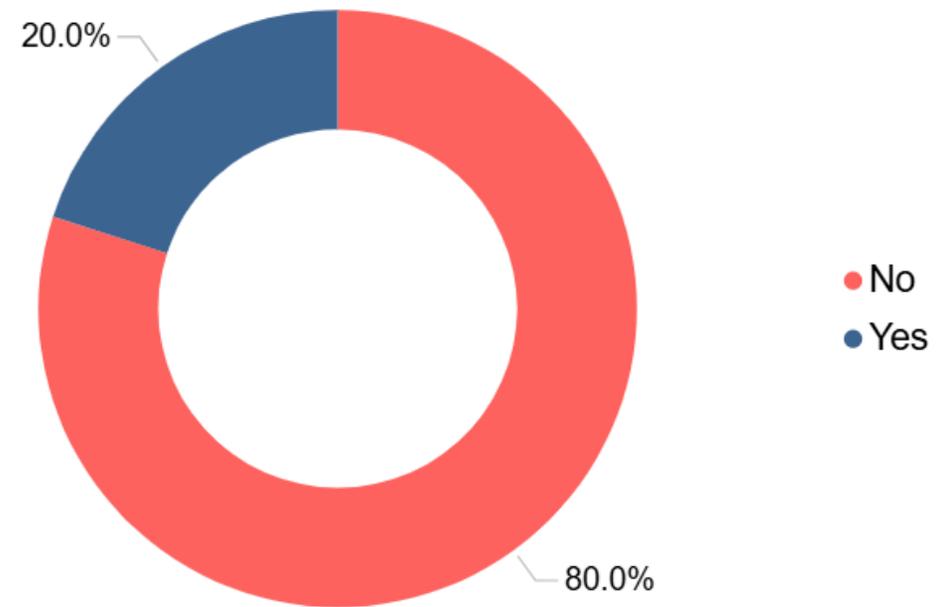
# 2024/2025 Order 42 Clean Shaven Status for WES Exceedances – Surface Workers



**Airborne Dust Exceedances Worker Clean Shaven 2024**



**Airborne Dust Exceedances Worker Clean Shaven 2025**





Coal Services

