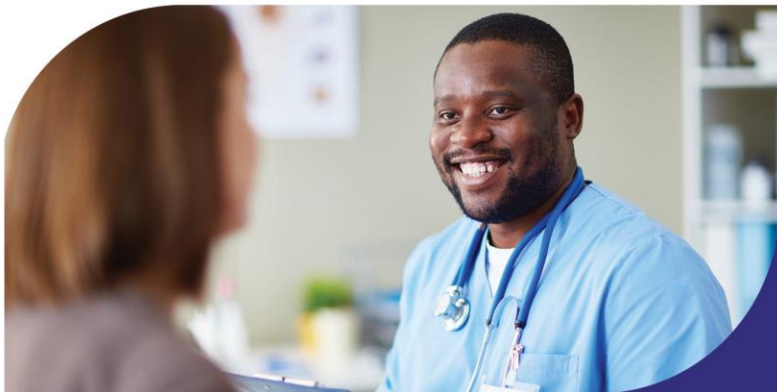




**HSA**

An tÚdarás Sláinte agus Sábháilteachta  
Health and Safety Authority

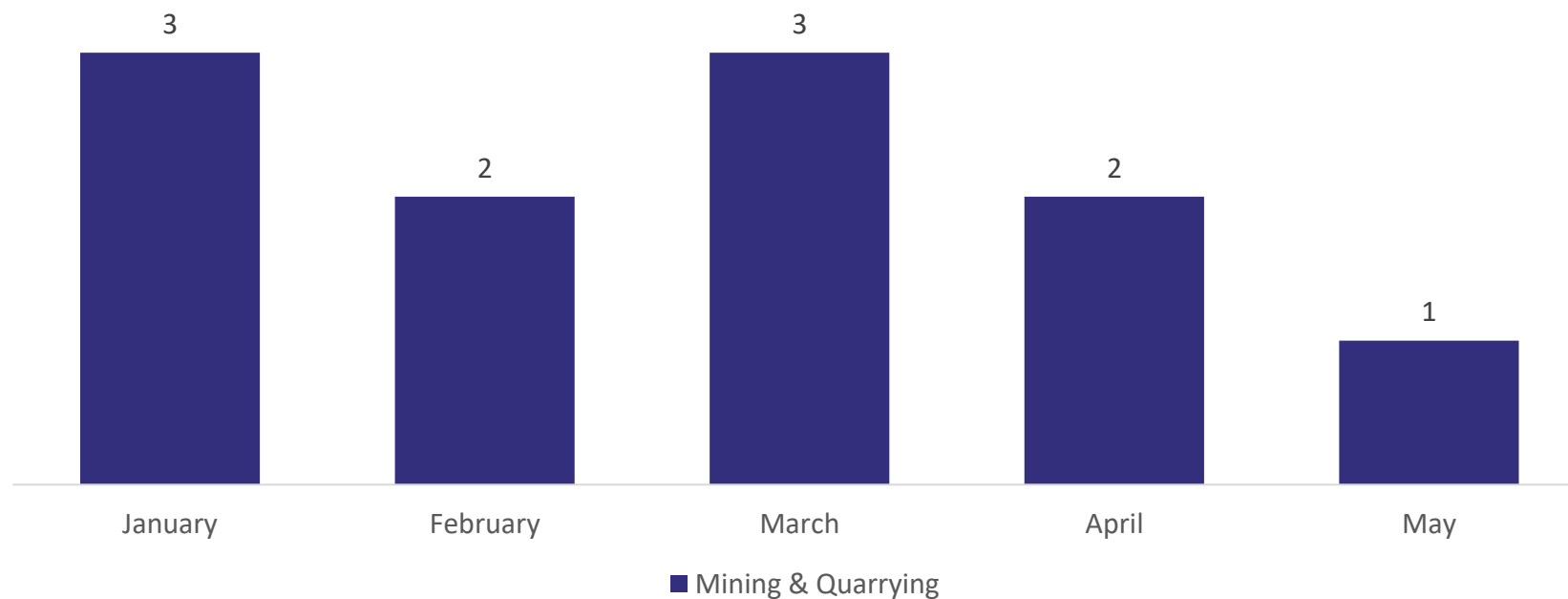
# May Quarry Campaign Findings



Manus Tiernan  
13<sup>th</sup> September 2023.

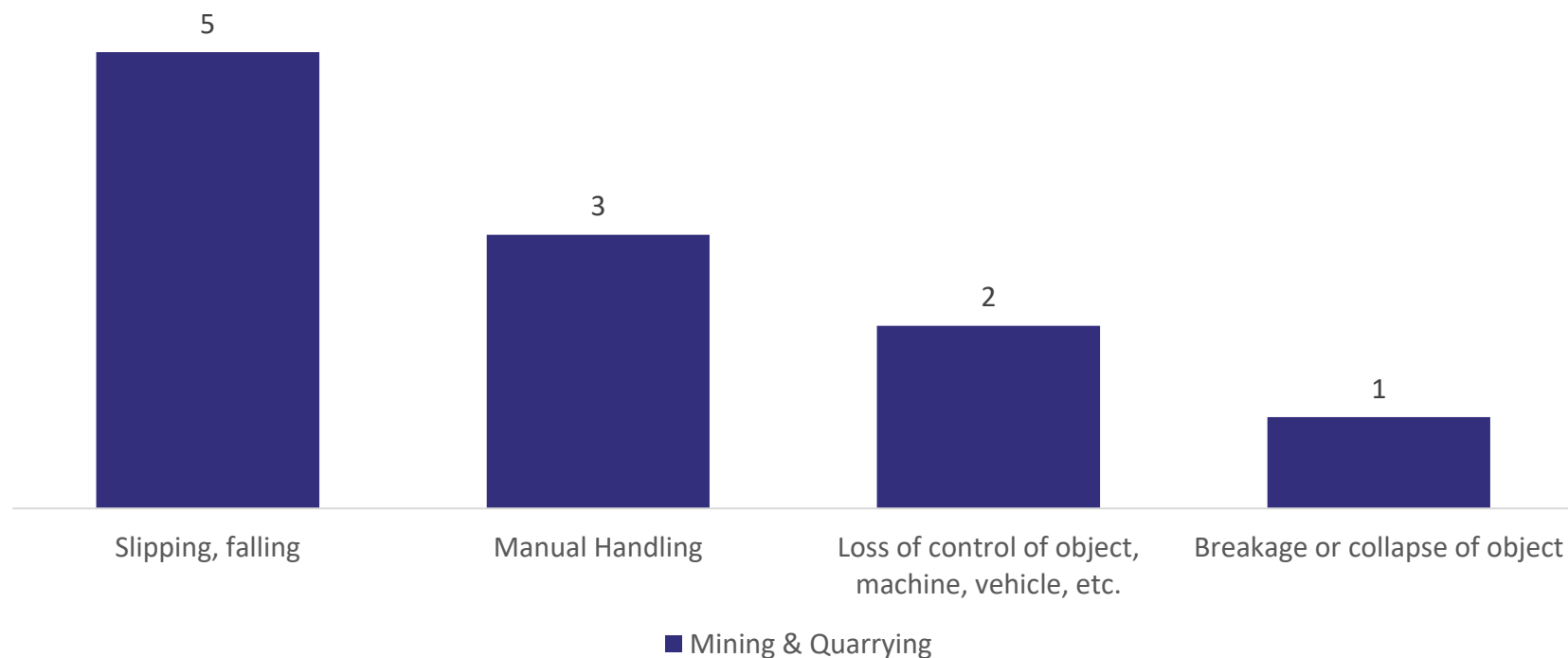
# Incidents Overview – Mining & Quarrying

There were **11** work related non-fatal incidents and dangerous occurrences reported to the Health and Safety Authority (HSA) in 2023 to date in the Mining and Quarrying sectors.



# Incidents Overview – Mining & Quarrying – Triggers

Slipping, falling (5) was the number one trigger for work related non-fatal incidents and dangerous occurrences reported to the HSA in 2023 to date in the Mining and Quarrying sectors, accounting for 45% of all incidents.



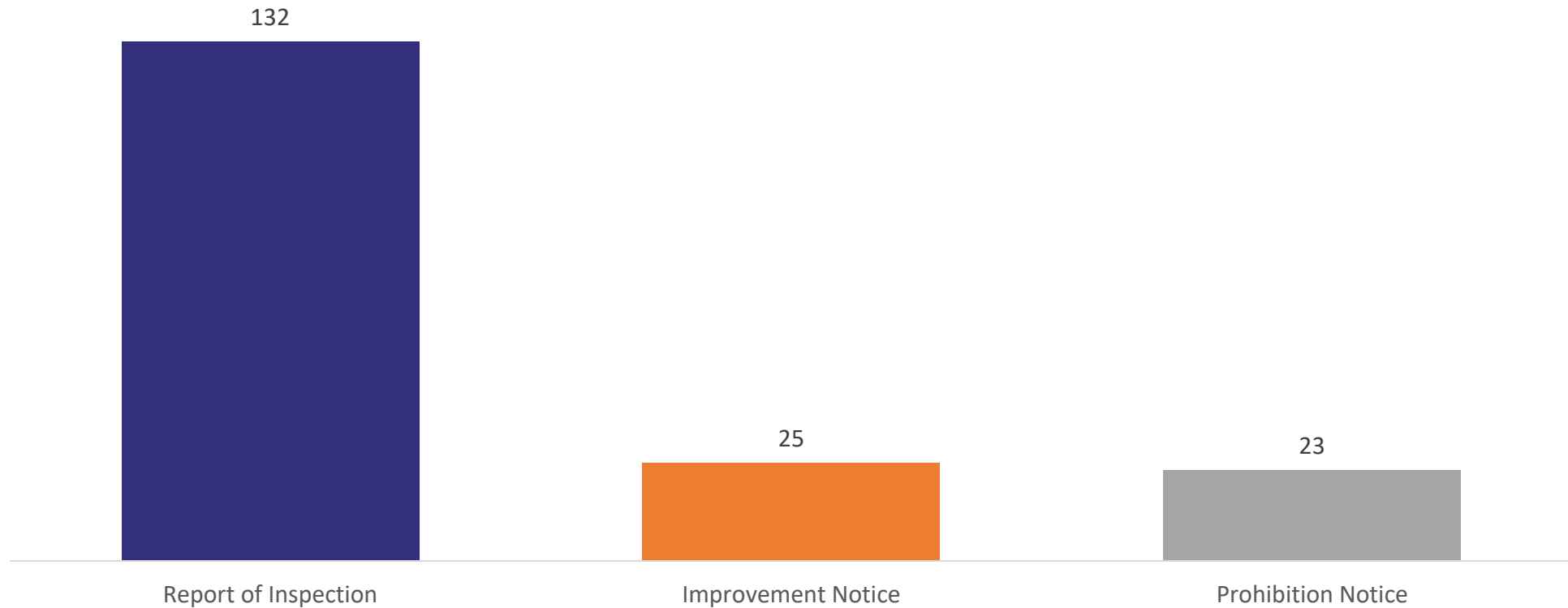
# Guarding and Maintenance Procedures Quarries Campaign 2023

There were **158** inspections carried out as part of this campaign, with **127** question sets completed, the inspections are categorised under the following NACE Rev.2 4 sub codes;

- 0811-Quarrying of ornamental and building stone, limestone, gypsum, chalk and slate
- 0812-Operation of gravel and sand pits; mining of clays and kaolin
- 0899-Other mining and quarrying n.e.c.
- 0990-Support activities for other mining and quarrying
- 1920-Manufacture of refined petroleum products
- 2332-Manufacture of bricks, tiles and construction products, in baked clay
- 2352-Manufacture of lime and plaster
- 2361-Manufacture of concrete products for construction purposes
- 2363-Manufacture of ready-mixed concrete
- 2399-Manufacture of other non-metallic mineral products n.e.c.

# Guarding and Maintenance Procedures Quarries Campaign 2023

Of the **158** inspections carried out as part of this campaign the **180** enforcements were issued



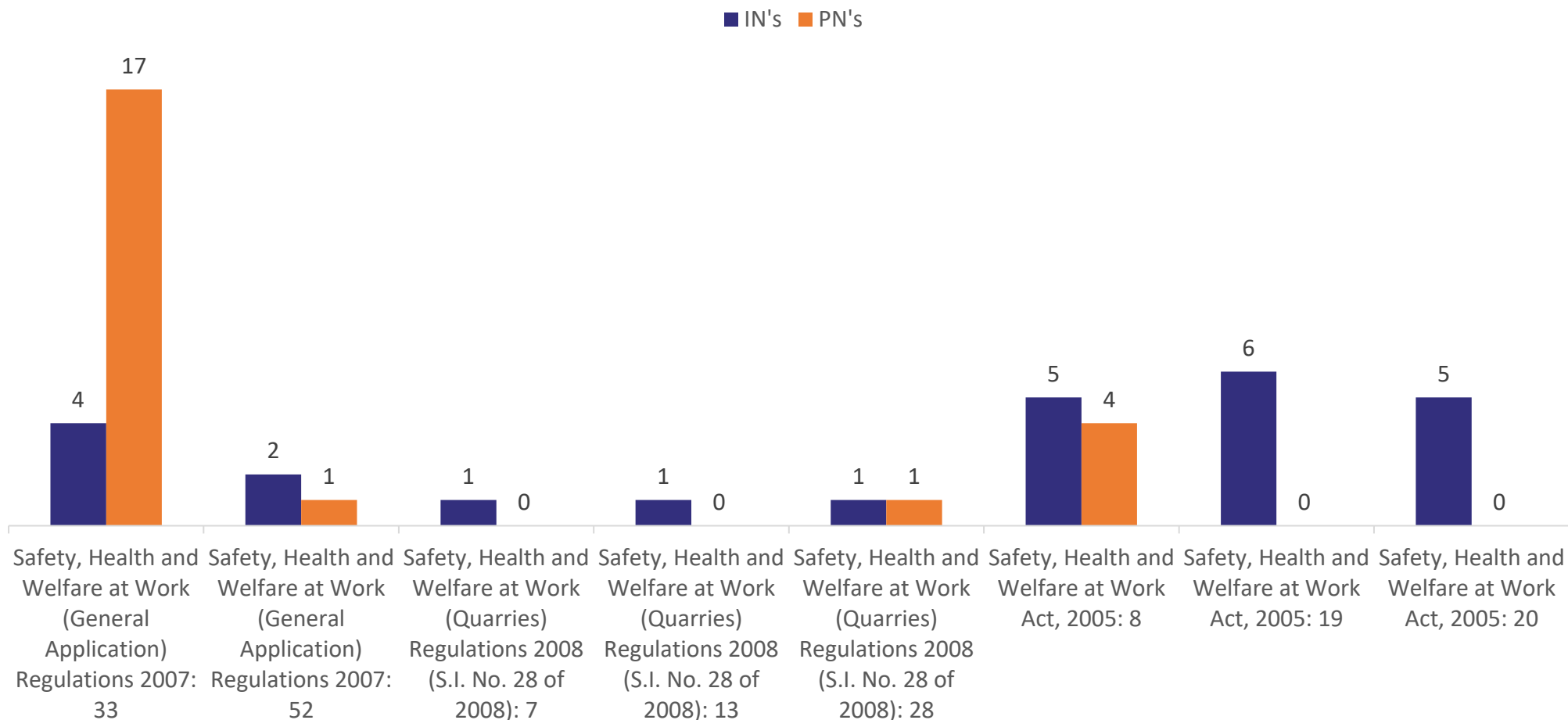
# Guarding and Maintenance Procedures Quarries Campaign 2023



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Health and Safety Authority

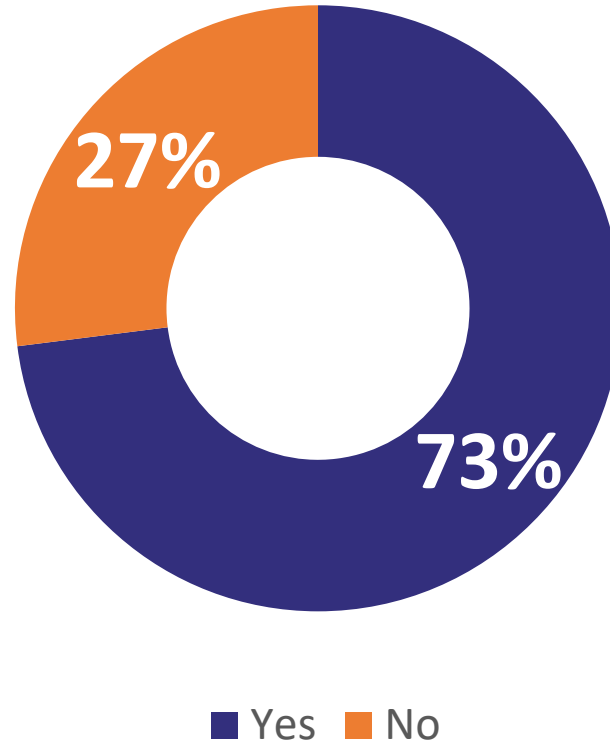
NACE 4 Digit Code	Inspections	ROI	IN	PN
0811 – Quarrying of ornamental and building stone, limestone, gypsum, chalk and slate	43	43	14	6
0812-Operation of gravel and sand pits; mining of clays and kaolin	20	18	7	9
0899-Other mining and quarrying n.e.c.	4	3		
0990-Support activities for other mining and quarrying	16	16	2	3
1920-Manufacture of refined petroleum products	2	1		
2332-Manufacture of bricks, tiles and construction products, in baked clay	2	3		1
2352-Manufacture of lime and plaster	7	8		1
2361-Manufacture of concrete products for construction purposes	15	17	1	1
2363-Manufacture of ready-mixed concrete	12	17	1	2
2399-Manufacture of other non-metallic mineral products n.e.c.	6	6		

# Guarding and Maintenance Procedures Quarries Campaign 2023



# Guarding and Maintenance Procedures Quarries Campaign 2023 - Findings

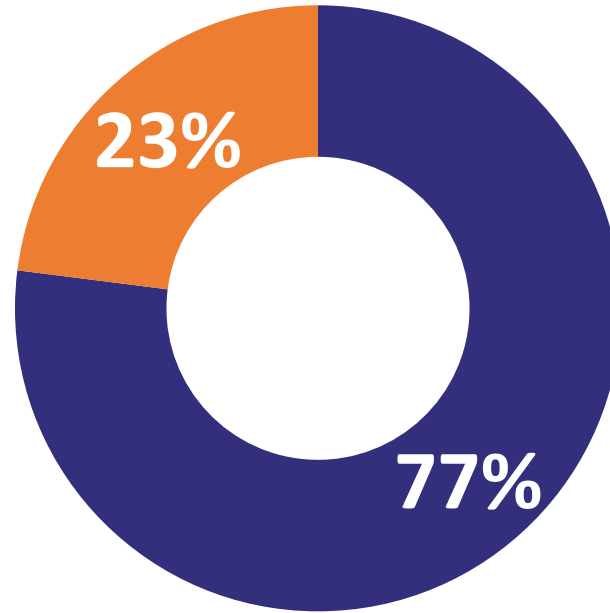
Is there a specific risk assessment for each machine and the hazards associated?





# Guarding and Maintenance Procedures Quarries Campaign 2023 - Findings

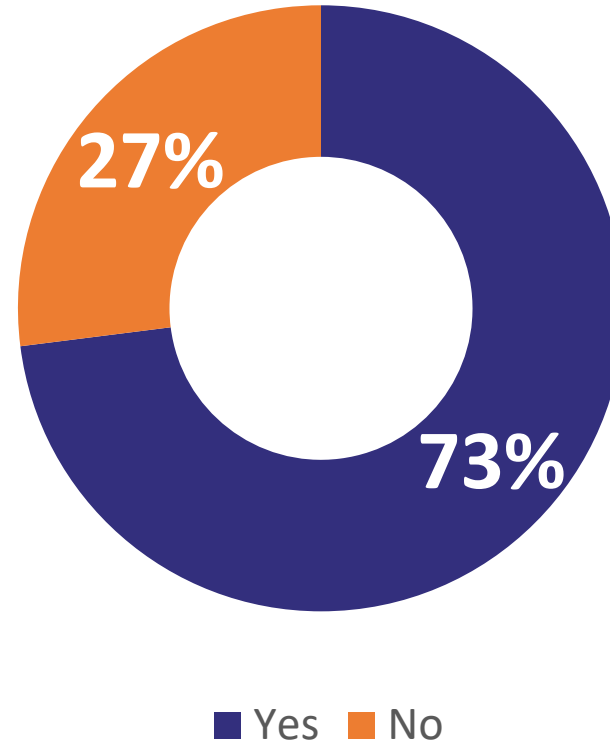
Are there specific risk assessments for planned maintenance activities?



■ Yes ■ No ■

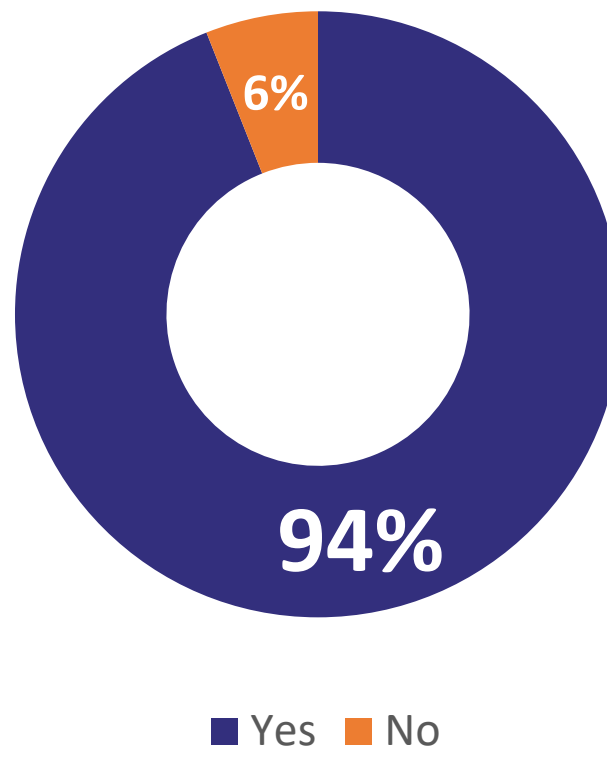
# Guarding and Maintenance Procedures Quarries Campaign 2023 - Findings

Are risk assessments completed for unplanned maintenance activities?



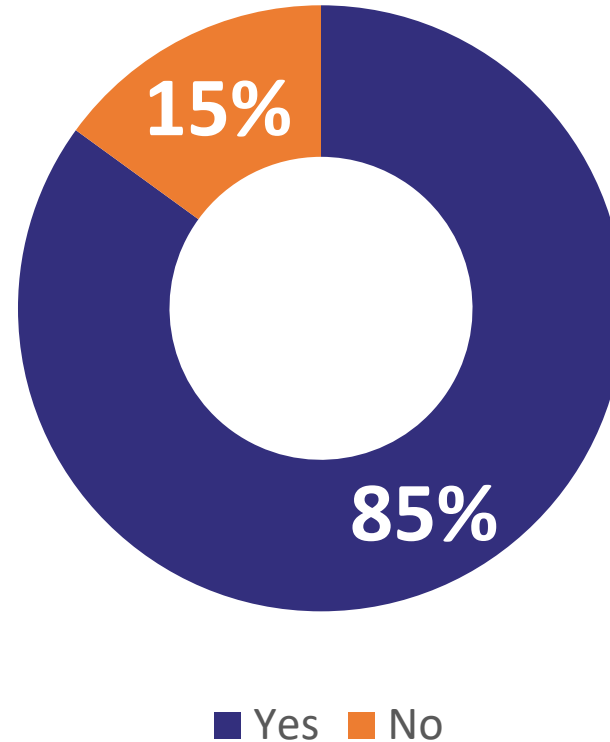
# Guarding and Maintenance Procedures Quarries Campaign 2023 - Findings

Is safety induction carried out for employees and contractors?



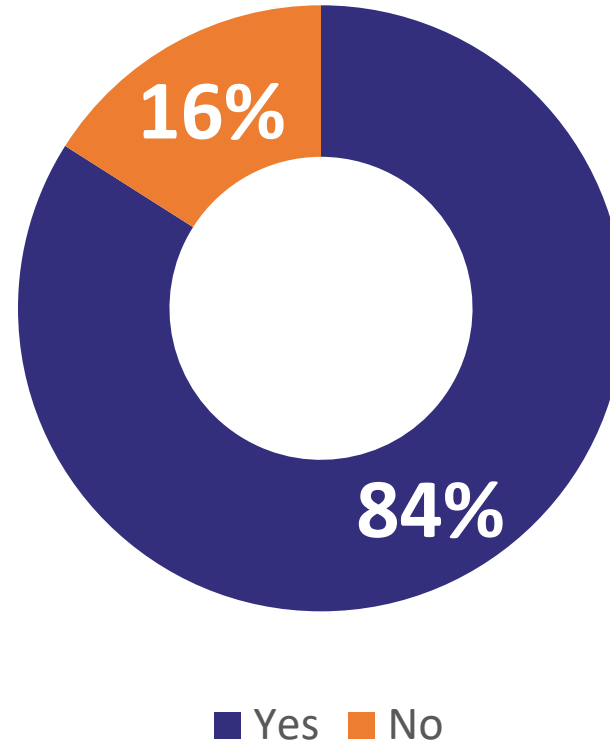
# Guarding and Maintenance Procedures Quarries Campaign 2023 - Findings

Does safety induction include isolation procedures and requirements?



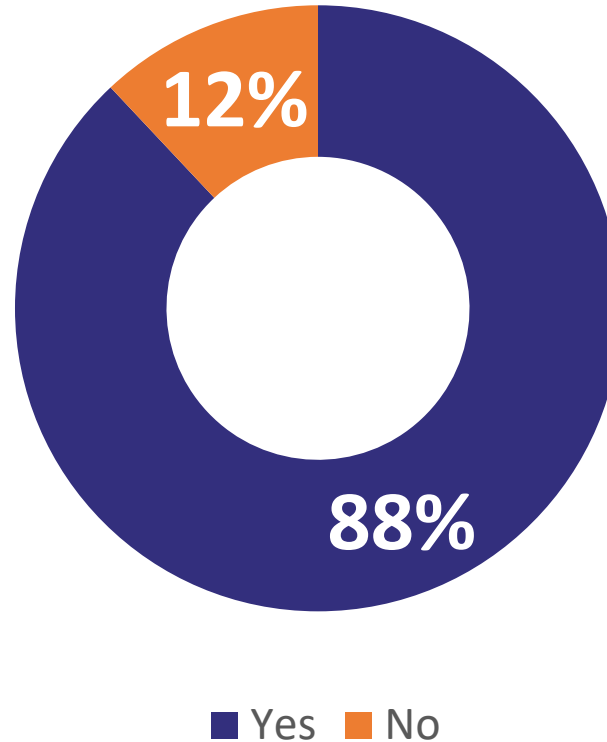
# Guarding and Maintenance Procedures Quarries Campaign 2023 - Findings

Has training been provided to relevant personnel in Permit to Work (PTW) and/or LOTO systems?



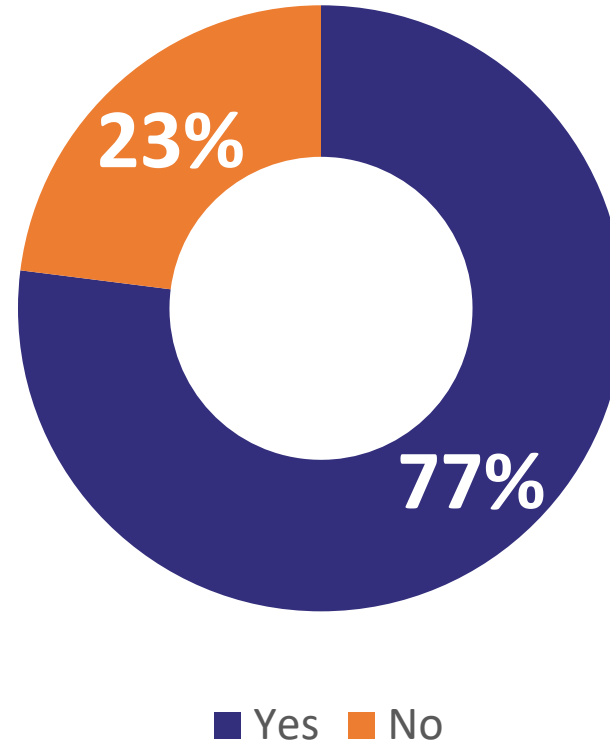
# Guarding and Maintenance Procedures Quarries Campaign 2023 - Findings

Are up to date training records available for employees and contractors engaged in maintenance?



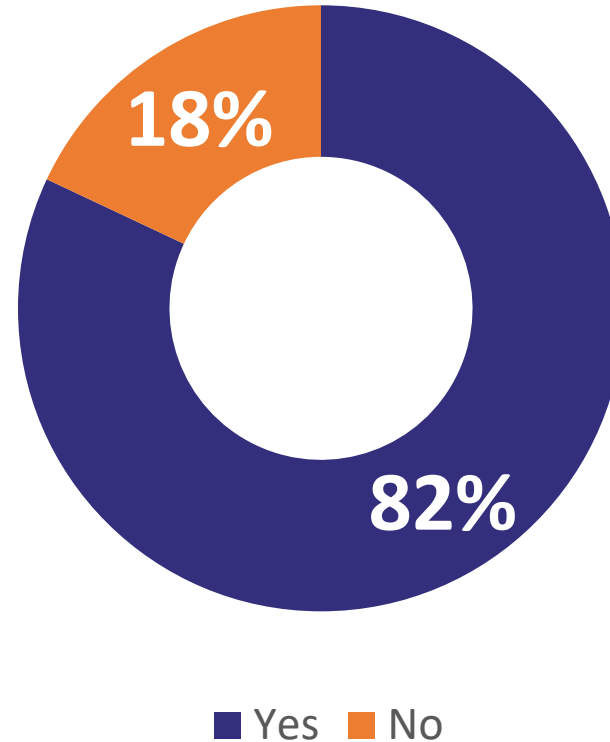
# Guarding and Maintenance Procedures Quarries Campaign 2023 - Findings

Where applicable, have operatives received confined space training?



# Guarding and Maintenance Procedures Quarries Campaign 2023 - Findings

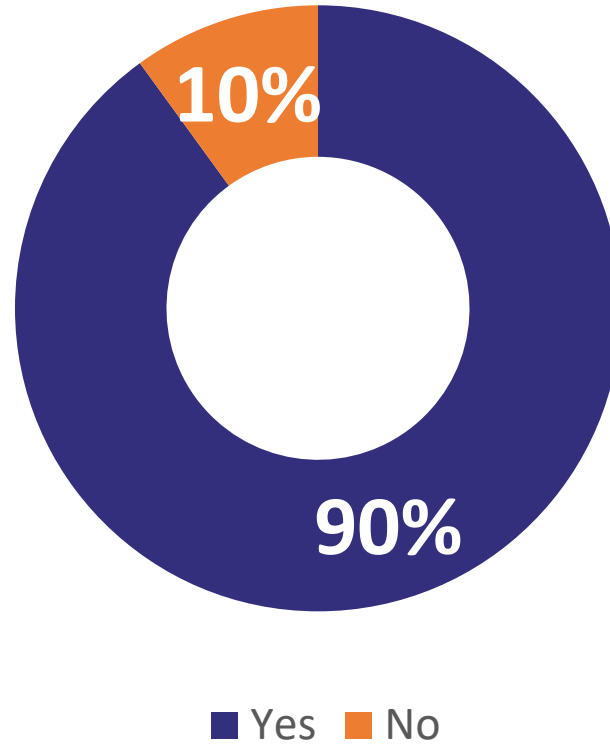
Are appropriate guards in place to prevent contact with moving parts of machinery where such contact could lead to a serious or fatal injury? (No if missing from 1 or more moving parts)





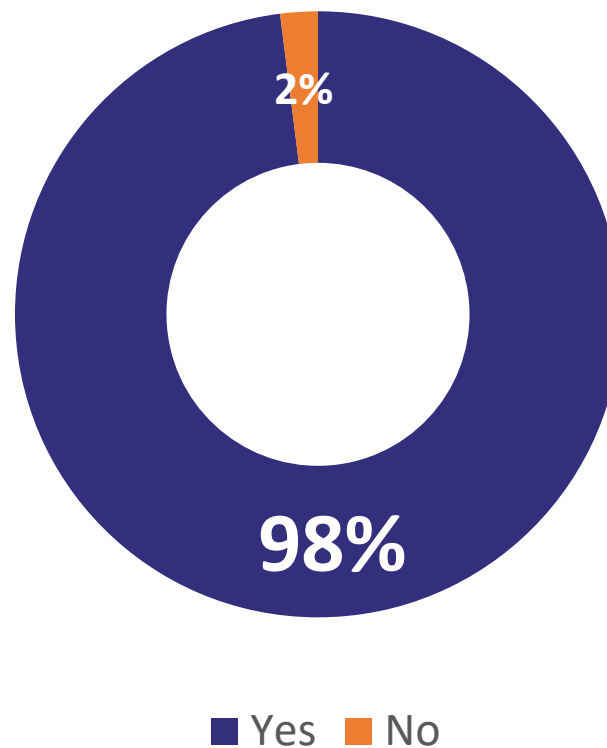
# Guarding and Maintenance Procedures Quarries Campaign 2023 - Findings

Are fixed guards adequately secured, needing a tool to remove them?



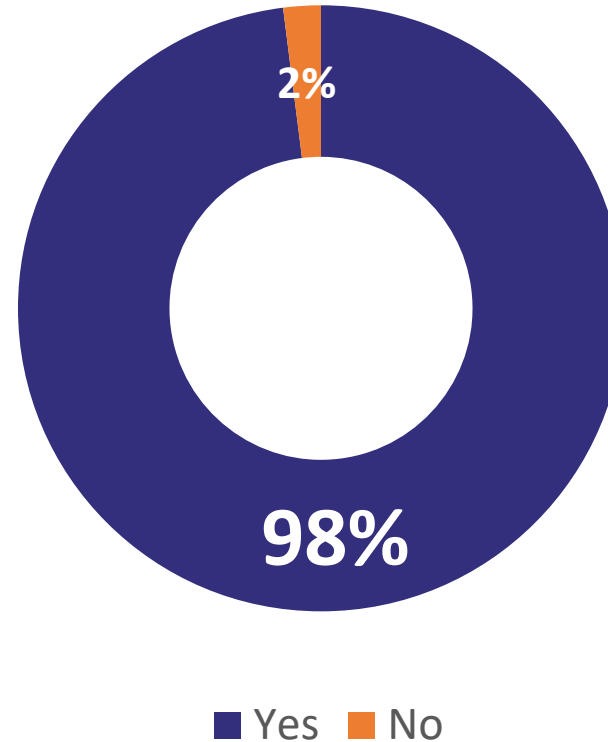
# Guarding and Maintenance Procedures Quarries Campaign 2023 - Findings

Are there emergency stops fitted?



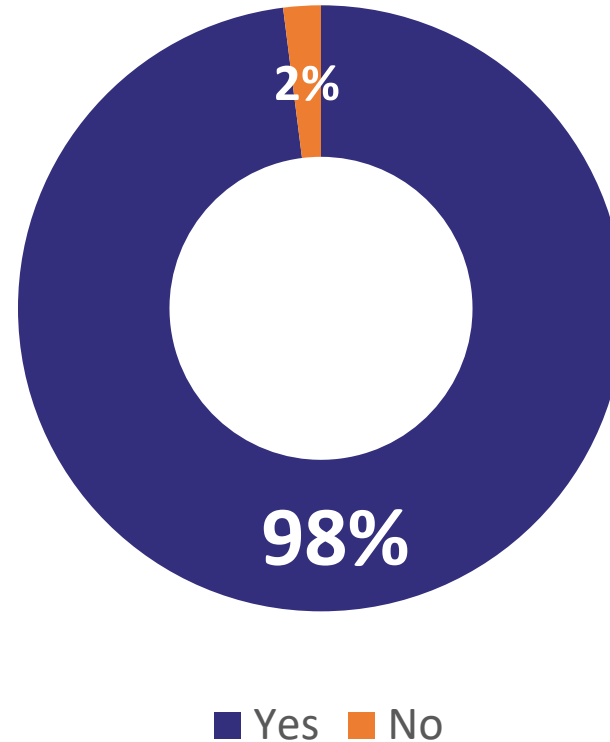
# Guarding and Maintenance Procedures Quarries Campaign 2023 - Findings

Are the emergency stops readily identifiable?



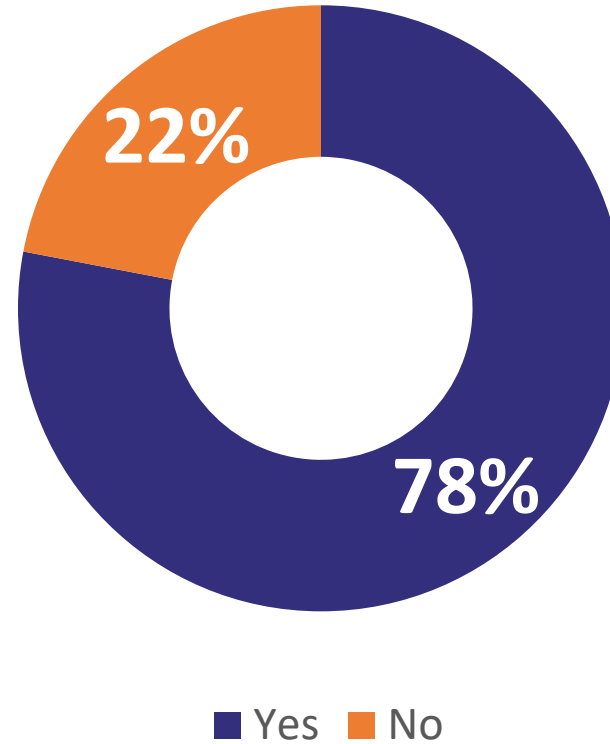
# Guarding and Maintenance Procedures Quarries Campaign 2023 - Findings

Are the emergency stops clean and operational?



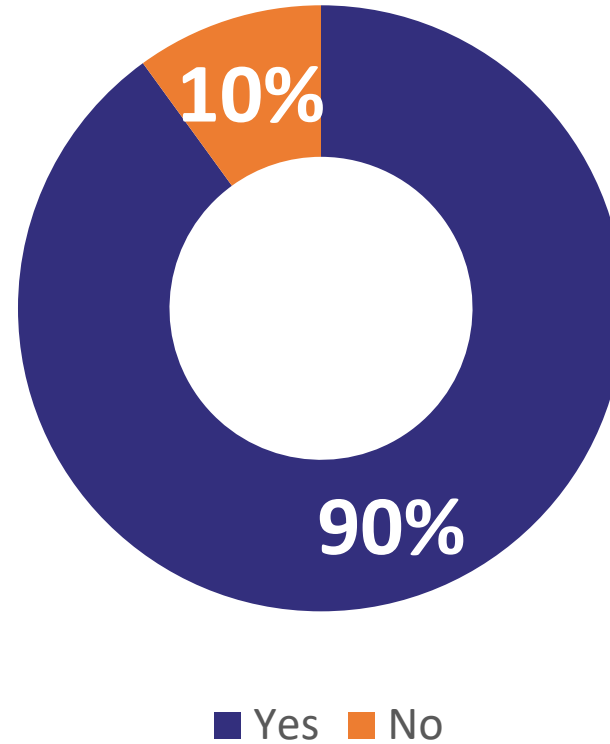
# Guarding and Maintenance Procedures Quarries Campaign 2023 - Findings

Are routine checks of emergency stops carried out and documented?



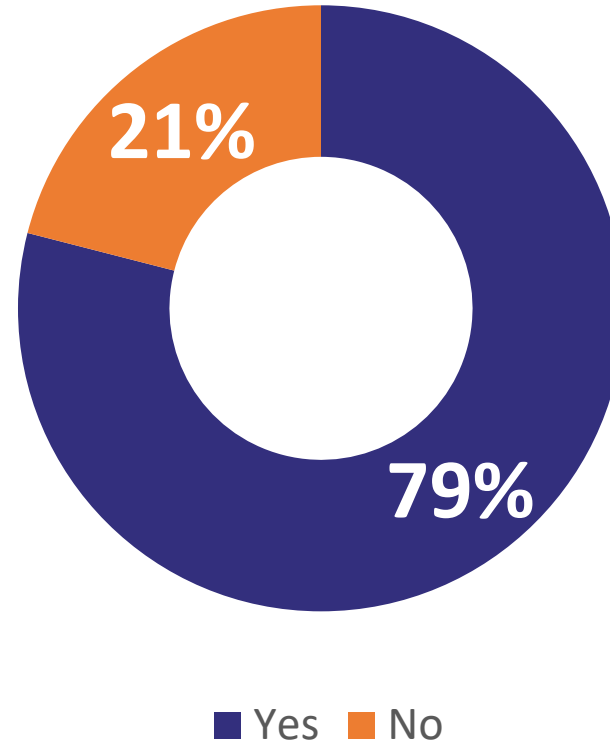
# Guarding and Maintenance Procedures Quarries Campaign 2023 - Findings

Where necessary are re pull-cords provided and operational?



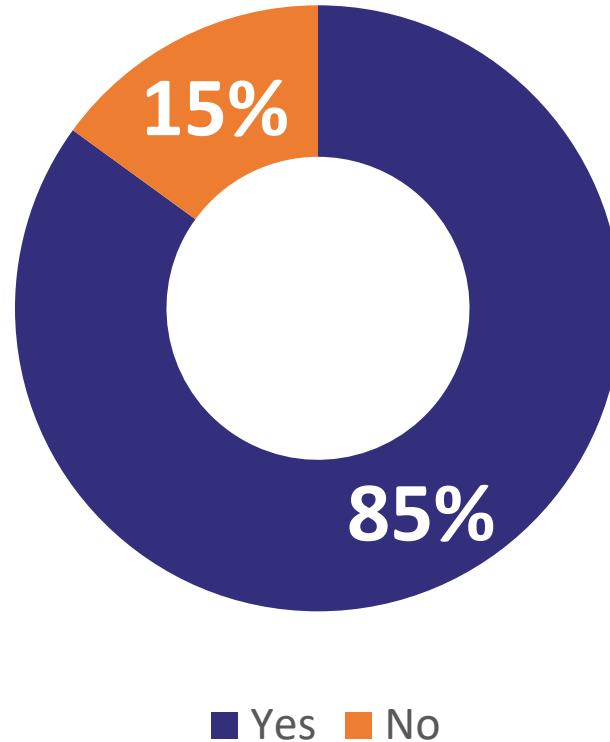
# Guarding and Maintenance Procedures Quarries Campaign 2023 - Findings

Are routine checks of pull-cords carried out and documented?



# Guarding and Maintenance Procedures Quarries Campaign 2023 - Findings

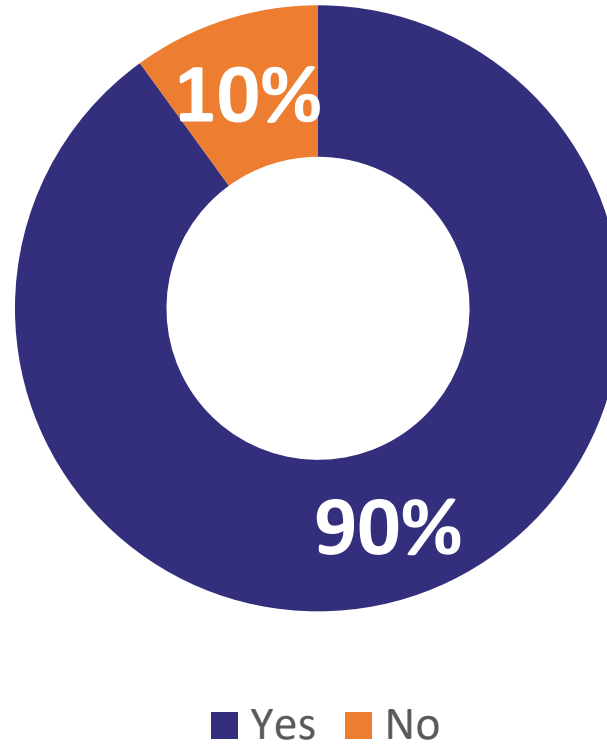
Are there suitable records made of inspections and testing of plant and equipment?





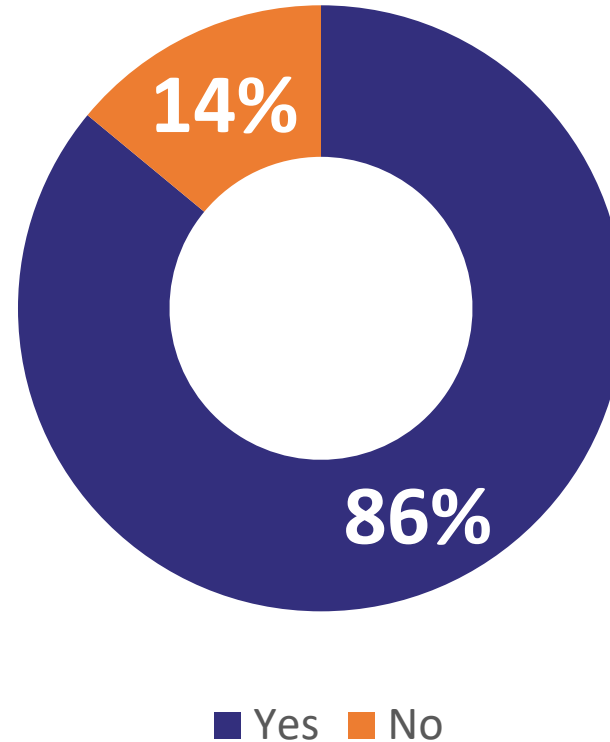
# Guarding and Maintenance Procedures Quarries Campaign 2023 - Findings

Is there a planned preventative maintenance program in place?



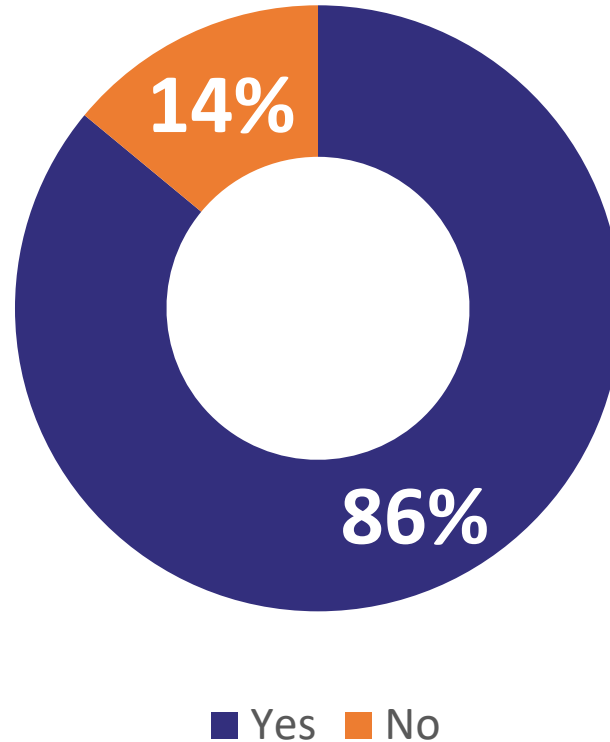
# Guarding and Maintenance Procedures Quarries Campaign 2023 - Findings

Are maintenance programs documented and work carried out recorded?



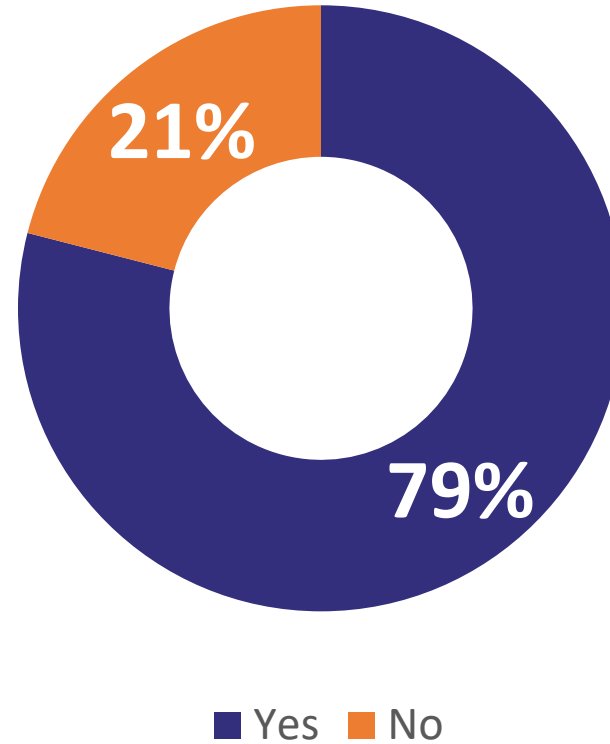
# Guarding and Maintenance Procedures Quarries Campaign 2023 - Findings

Do the operating procedures identify the isolation procedures and isolation required?



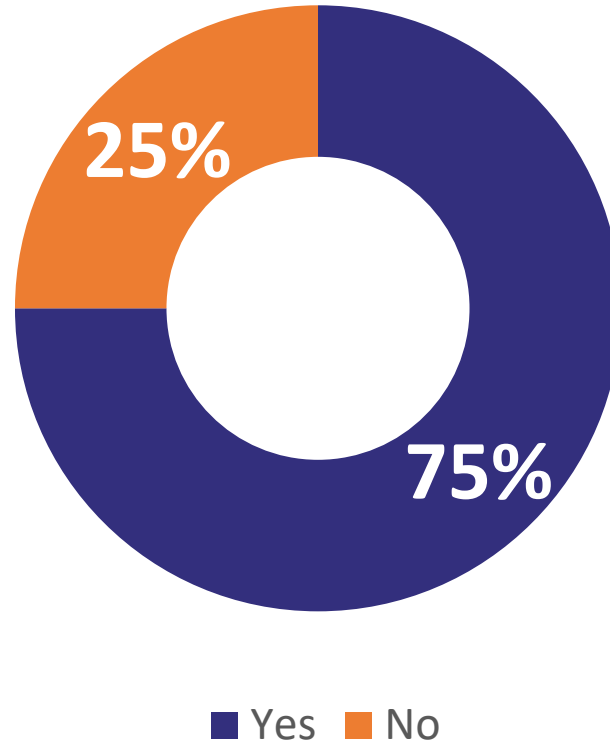
# Guarding and Maintenance Procedures Quarries Campaign 2023 - Findings

Is there a Permit to work (PTW) system used for maintenance in confined spaces?



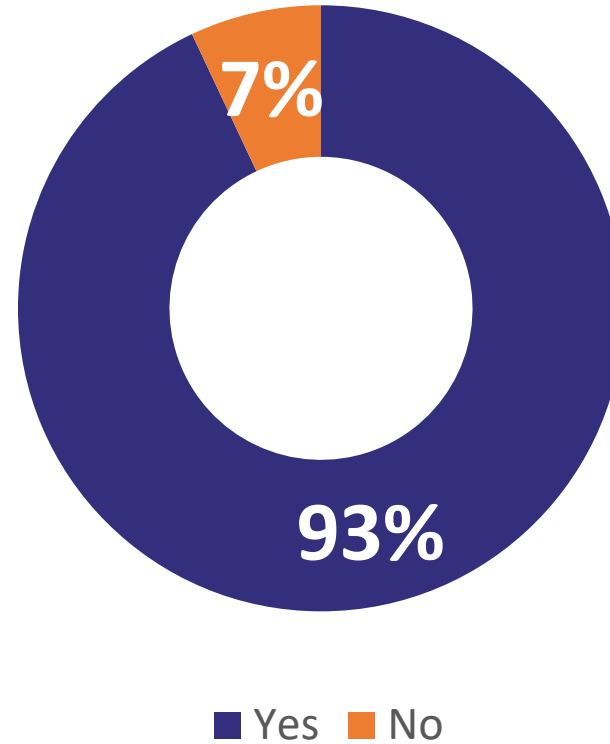
# Guarding and Maintenance Procedures Quarries Campaign 2023 - Findings

Is PTW documented and does it outline the protective and preventative measures to be fulfilled?



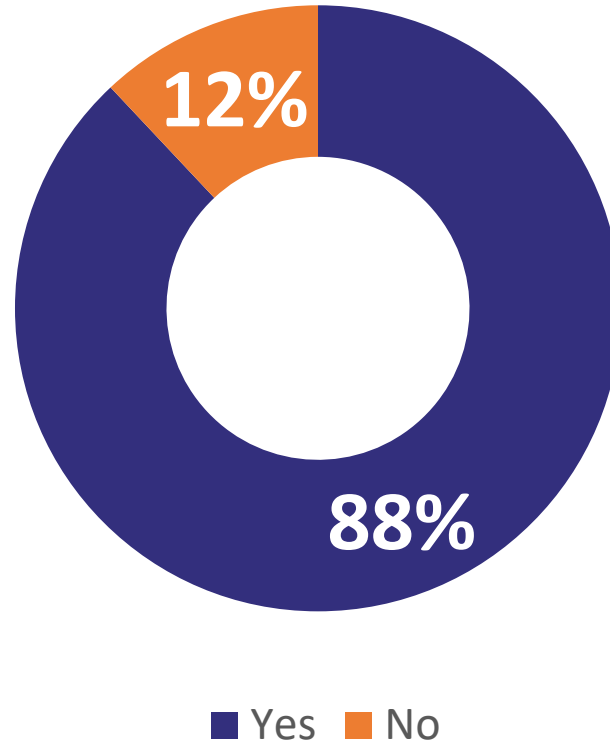
# Guarding and Maintenance Procedures Quarries Campaign 2023 - Findings

Is there a system in place to prevent unauthorized start up for maintenance operations or repairs?



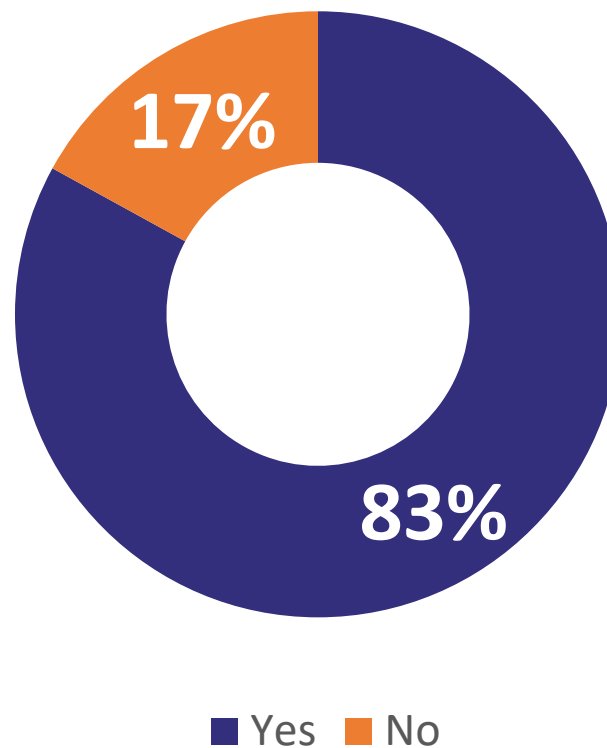
# Guarding and Maintenance Procedures Quarries Campaign 2023 - Findings

Have personnel working on plant been issued with personal padlocks?



# Guarding and Maintenance Procedures Quarries Campaign 2023 - Findings

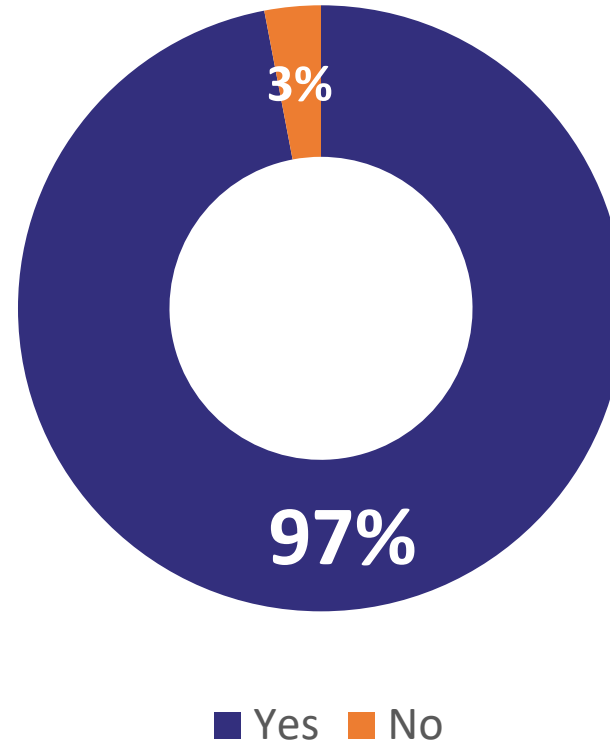
Are locks uniquely keyed?





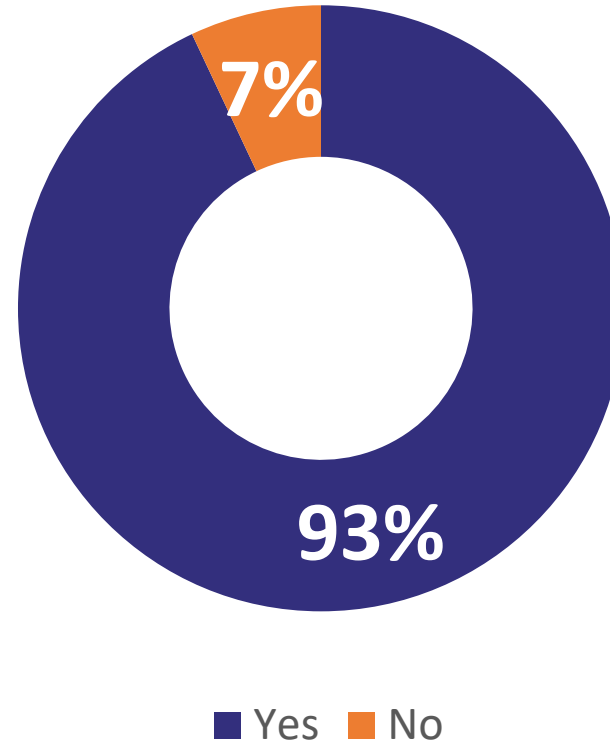
# Guarding and Maintenance Procedures Quarries Campaign 2023 - Findings

Are control panels clean and labelled so that controls are easily identifiable?



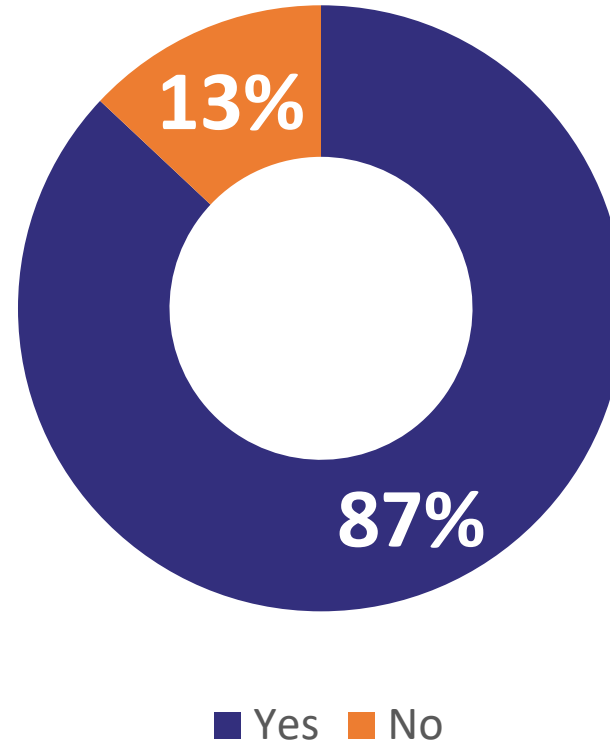
# Guarding and Maintenance Procedures Quarries Campaign 2023 - Findings

Are power sources secured, located away from a hazard and easily isolated?



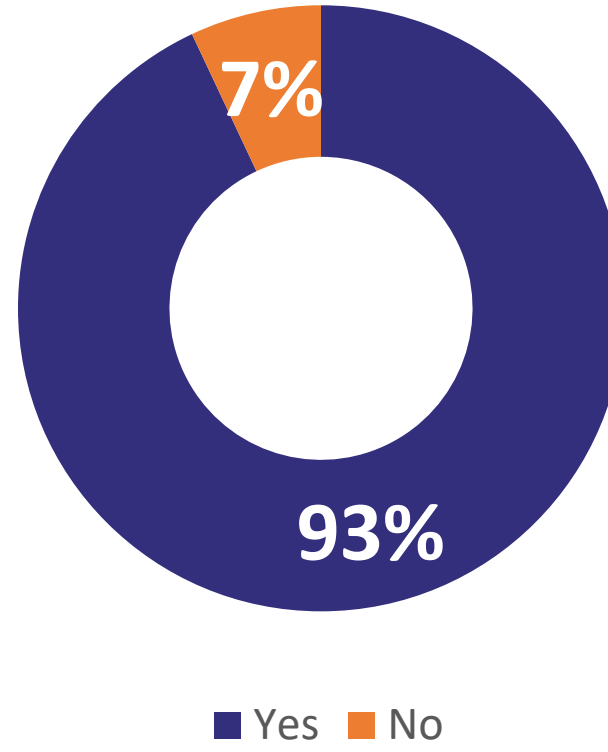
# Guarding and Maintenance Procedures Quarries Campaign 2023 - Findings

Are serviced fire extinguishers in place at key locations?



# Guarding and Maintenance Procedures Quarries Campaign 2023 - Findings

Is safe access provided and maintained?





# HSA

An tÚdarás Sláinte agus Sábháilteachta  
Health and Safety Authority

Go raibh maith agaibh  
Thank you

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W: [www.hsa.ie](http://www.hsa.ie)

