|  |  |
| --- | --- |
| **Topic** | Safer handling of inbound and outbound materials |
| **Entry number (MPA Ref)** | 2024139 |
| **Title of Entry** | Focus on the safety, health, and wellbeing of mobile plant maintenance workers |
| **Name of Company** | Breedon |
| **Location** | Hyndford Quarry |
| **Video**  **(if yes, please include URL for video)** | No |
| **Other resource x (if yes, please include description)** | Powerpoint |
| **Fatal Theme (tick boxes that are applicable) 1 x 2 x 3 x 4 x 5 x 6** | |
| **BACKGROUND** | |
| The safety, health, and wellbeing of mobile plant maintenance workers involves potential exposure and interaction with 5 elements of the fatal 6.   1. Contact with moving machinery and isolation. 2. Workplace transport and pedestrian interface. 3. Work at height. 4. Exposure to workplace respirable crystalline silica. 5. Struck by moving or falling object.   On the site at Hyndford Quarry, there have been 2 instances of serious injury and asset damage relating to contact with moving machinery, both of which occurred in 2022.  As part of the root cause investigation, the layout, environmental and ground conditions of the mobile plant maintenance area, were concluded to have contributed to the root causes, and the potential consequences could have been far more severe.  Following a review of the working area, the issues identified were lack of one-way system, inclined sections of maintenance area, soft, muddy ground and exposure to the elements causing distraction and slippery conditions. | |
| **MANAGEMENT OF PROCESS** | |
| Site and operations management sought opinion as part of the root cause actions. From the maintenance fitters’ point of view exposure to wind, rain and poor ground conditions were of concern, as well as pedestrian / vehicle incursions into the working area.  In consultation with the site drivers, the layout of the maintenance area was a concern:-     1. Uneven ground which required reversing up a slight incline. 2. Reversing concerns in the maintenance area and for potential for pedestrian interaction. 3. Contractor vehicles bypassing the small vehicle entry policy and parking inappropriately in the wrong area.   Other considerations relate to availability of tools lubricants and waste oil removal.  In dry conditions the area could become very dusty and whilst dust suppression was available, this involved further mobile plant activity.  After consultation with the site team, comprising the technical department, maintenance staff and mobile plant operators, an improvement plan was devised for the working area;   1. Made level with a concrete pavement. 2. Improved drainage. 3. One-way drive through. 4. Provide maintenance fitters with protection from poor weather. 5. Minimise pedestrian incursions. | |
| **BENEFITS** | |
| 1. The maintenance area has now been upgraded and a level concrete maintenance area laid down with levels to allow water drainage with an oil trap. 2. A shelter has been installed which allows one-way drive through, with protection from the elements and avoidance of wet, muddy, or icy conditions. 3. A small vehicle entry system is now installed with traffic management one-way and parking for small vehicles and deliveries. 4. The area is demarcated by exclusion barriers and entry gates. 5. A sweeper is used to remove dust from the working area. 6. As part of the shelter construction, tools and lubricants are readily at hand with mobile access platforms available to allow safe working at height with recognised exclusion zones. 7. Improved housekeeping and storage of tools and equipment. 8. Lighting in the area is good with artificial lighting also provided. 9. Lock-off and isolation provision readily at hand together with wheel chocks.   Feedback from visiting mobile plant fitters are positive and this has provided an improved working environment, with a clear message that everyone’s health and wellbeing are of a high importance.  There have been no further incidents or near misses in the maintenance area, visitors and contractors follow the rules and behaviour and culture is clearly of high importance. | |
| **INNOVATION** | |
| The upgrades in the mobile plant maintenance area, whilst not innovative, do reflect an enhancement to the previous good standards, and with consultation and leadership commitment, crucial improvements in the traffic management and working area have been accomplished.  This is a new concept for this site, and it can be rolled out at other locations, with similar issues. | |
| **DEVELOPMENT & TRANSFERABILITY** | |
| 1. Considering dust suppression sprays. 2. The concept could be easily transferable to similar sites with suitable area. 3. It has shared internally within the Group. 4. [Looking good / looking safe.](https://breedongroup-my.sharepoint.com/personal/douglas_hunter_breedongroup_com/Documents/Desktop/MPA%20awards%202024/Looking%20Good.......Looking%20Safer%20-%20Hyndford%20Nov.pptx) Video of incident available | |
| **MAX 10%** | |