# Fixed plant audit Site: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

# Date conducted:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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| --- |
| 1 Conveyors |
| |  |  |  |  | | --- | --- | --- | --- | | **Point** | **Standard** | **Standard met** | **Comments** | | 1.1 | Guards are installed to prevent a trapping hazard at the nip points of conveyor head and tail pulleys. |  |  | | 1.2 | Guards are installed to prevent a trapping hazard at the nip points of conveyor impact idler rollers. |  |  | | 1.3 | Guards are installed to prevent a trapping hazard at the nip points of accessible conveyor return idler rollers. |  |  | | 1.4 | An emergency stop device is provided along the accessible length of a conveyor. |  |  | | 1.5 | A means of access is provided for the inspection and maintenance of all sections of a conveyor. |  |  | | 1.6 | Conveyor belt take-up devices are guarded. |  |  | | 1.7 | Conveyor drives are guarded. |  |  | | 1.8 | The accesses to lubrication points are remote from the moving parts of a conveyor. |  |  | | 1.9 | Lighting is provided along the access walkways, at transfer points and at the drive and return heads of conveyors. |  |  | | 1.10 | Anti - runaway devices are fitted on inclined conveyors. |  |  | | 1.11 | Pre-start warnings are provided prior to the starting up of conveyors. |  |  | |
| 2 Crushers |
| |  |  |  |  | | --- | --- | --- | --- | | **Point** | **Standard** | **Standard met** | **Comments** | | 2.1 | Signs requiring the wearing of eye and hearing protection are located at all the entrances to crusher areas. |  |  | | 2.2 | Guards are installed at crusher drives. |  |  | | 2.3 | Personnel who operate crushers have been advised as to the hazards of tramp metal and other items being expelled from crusher jaws. |  |  | | 2.4 | Documented safe work procedures are provided for the removal of material that has become jammed in a crusher. |  |  | | 2.5 | Personnel have been trained in the safe procedures for removing jammed materials from a crusher. |  |  | | 2.6 | Documented safe work procedures are provided for crusher maintenance. |  |  | |
| 3 Rotating mills |
| |  |  |  |  | | --- | --- | --- | --- | | **Point** | **Standard** | **Standard met** | **Comments** | | 3.1 | Mill drives and other rotating elements are guarded. |  |  | | 3.2 | Documented safe work procedures are provided for mill maintenance. |  |  | |
| 4 Walkways and platforms |
| |  |  |  |  | | --- | --- | --- | --- | | **Point** | **Standard** | **Standard met** | **Comments** | | 4.1 | Fixed plant has platforms and walkways installed for everyday operational purposes. |  |  | | 4.2 | Fixed plant has platforms and walkways provided for maintenance and/or cleaning purposes. |  |  | | 4.3 | Platforms and walkways are no less than 600mm in width. |  |  | | 4.4 | Guards and handrails are provided for platforms and walkways. |  |  | | 4.5 | Platforms and walkway have kick boards fitted. |  |  | | 4.6 | Platforms and walkways are free from trip hazards. |  |  | | 4.7 | Inclined walkways have cleats installed or are fitted with a non - slip type material. |  |  | |
| 5 Access ladders and stairways |
| |  |  |  |  | | --- | --- | --- | --- | | **Point** | **Standard** | **Standard met** | **Comments** | | 5.1 | Stairway width is not less than 600 mm. |  |  | | 5.2 | Step rises on stairways are between 150 and 215 mm and are of a uniform dimension. |  |  | | 5.3 | Step goings on stairways are between 215 and 305 mm and are of a uniform dimension. |  |  | | 5.4 | The vertical clearance between the tread nosing on stairways and overhead obstructions is not less than 2000 mm. |  |  | | 5.5 | At least one side of a stairway is provided with a handrail which is located on the exposed side. |  |  | | 5.6 | Where there is a fall hazard associated with a rung type ladder cages or guards have been installed. |  |  | | 5.7 | The stiles of a step through ladder extend at least 900 mm above the landing. |  |  | | 5.8 | The spacing of ladder rungs is between 250 and 300 mm and is uniform, with rungs no less than 20mm in diameter and preferably not vertical. |  |  | |
| 6 Electrical installations |
| |  |  |  |  | | --- | --- | --- | --- | | **Point** | **Standard** | **Standard met** | **Comments** | | 6.1 | Individual items of fixed plant have an electrical isolating device. |  |  | | 6.2 | Isolation switches are clearly labelled. |  |  | | 6.3 | Isolation switches have a provision for being locked in the isolated position. |  |  | | 6.4 | Isolation switches have a provision for the attachment of tags. |  |  | | 6.5 | Electrical cables are adequately supported. |  |  | | 6.6 | Electrical cables and equipment are not damaged. |  |  | |
| 7 Cleaning arrangements |
| |  |  |  |  | | --- | --- | --- | --- | | **Point** | **Standard** | **Standard met** | **Comments** | | 7.1 | The hazards associated with the manual cleaning of fixed plant have been determined. |  |  | | 7.2 | The hazards associated with the mechanical cleaning of fixed plant have been determined. |  |  | | 7.3 | The hazards associated with cleaning down fixed plant with a water hose have been determined. |  |  | | 7.4 | The hazards associated with cleaning fixed plant whilst it is in operation have been determined. |  |  | | 7.5 | Spillage around fixed plant does not present a hazard. |  |  | |
| 8 Plant under pressure |
| |  |  |  |  | | --- | --- | --- | --- | | **Point** | **Standard** | **Standard met** | **Comments** | | 8.1 | Pressure vessels comply with a recognised standard. |  |  | | 8.2 | Pressure vessels are inspected and maintained. |  |  | | 8.3 | Pressure piping is adequately supported. |  |  | | 8.4 | Pressure piping is labelled in order to identify the contents, direction of flow and line pressure. |  |  | | 8.5 | Flexible hose is rated for the maximum available operating pressure. |  |  | | 8.6 | Flexible hose is rated for the temperatures and types of fluid to be conveyed. |  |  | | 8.7 | Flexible hose connections are designed such that they are incapable of being unintentionally disconnected. |  |  | | 8.8 | The specifications of the flexible hose fitting manufacturer are compatible with those of the flexible hose manufacturer and any assembly is done in accordance with the manufacturer’s instructions. |  |  | |