

**FIXED PLANT HIF AUDIT 2008****1. CONVEYORS**

<b>Point</b>	<b>Standard</b>	<b>Standard Met</b>	<b>Comments</b>
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.		

<b>Point</b>	<b>Standard</b>	<b>Standard Met</b>	<b>Comments</b>
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**

<b>Point</b>	<b>Standard</b>	<b>Standard Met</b>	<b>Comments</b>
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.		