



BATCH PLANT OPERATIONS

RA NO

DATE

H.T.I Score	7	Medium -Regular Monitoring/ Supervision
Contract		
Persons involved in RA	Name	Signatures
Foreman		
Second Foreman		
Safety Officer		
Representative		

Documentation Required	Training Required	PPE and Safety Equipment Required
Supervisor of Machinery App	General induction – all employees	Overalls
Batch Plant Operator App.	Batch Plant Operator	Safety Footwear
OHS Act 85 of 1993	Toolbox talks	Dust Masks
Batch Plant Daily Checklist	First Aider	Eye Protection
Competency Operator		Ear Protection
Medical certificate for operator		Gloves

Activity Steps		Hazards and Risks	Preventative Measures	Rating
1	Off Loading of Equipment and Erecting of Batch Plant.	Load Falling while in lifting process – injury, loss and damage.	No persons to stand under load.	8
		Crane falling over while lifting – injury, loss and damage.	Right crane to be used for the weight of the load.	7
		Soil not compacted for crane – injury, loss and damage.	Soil must be compacted or base plates to be used under outriggers.	7
		Slings breaking under load – injury, loss and damage.	Correct rated slings to be used and correct type of slings to be used – no web slings.	8
		No guide ropes to control load – injury, loss and damage.	Guide ropes to be secured to the load before the lift take place.	8

		Load not properly secured with sling - injury, loss and damage.	Correct rigging methods to be used.	8
		No Banks man to control the lift process - injury and damage.	Banks man to have radio communication with the crane.	8
		Load Falling on persons.	Slew area of crane to be barricaded.	11
		Employees working at unprotected heights not wearing Safety Harnesses - injury.	All employees working at unprotected heights must wear and hook their Safety Harnesses.	11
		Tools falling from height - injury and damage.	Tools to be secured with a lanyard to the employees arm.	8
2	Operating the Batch Plant.	Trucks reversing into structure - damage and injury.	Guide to direct the trucks entering area.	8
		Truck not in precise place to load concrete - loss and injury.	Sedimentation ponds to be constructed to catch all runoff.	5
		Truck cleaning on site - environmental damage.	Only designated areas to be used for truck cleaning.	5
		Batch Plant runoff water - environmental damage.	Drains to be installed	5
		Unauthorised persons entering the skip and hopper area - Severe injuries.	Warning signs to be posted on the fence / barricading.	8
		Wrong formula used to mix the specified concrete - loss of production.	Supervisor of concrete to specify the concrete mix required in writing.	5
		Batch Plant not checked prior to work starting damage, loss and injury.	Batch Plant operator to do daily checks for any damage and dysfunction.	8
		Batch Plant console not clearly identified - loss and, injury.	All buttons to be clearly marked on the console for identification.	5
3	Cleaning of Batch plant.	Entering the Skip and Hopper area while the plant is operational - injury.	Area must be fenced off to prevent entry while in operation.	8
		Employee not using prescribed PPE - injury.	Gates must be locked and fitted with sensors to cut the plant operations out if gate is opened.	8
		Warning signs not displayed - injury.	Noticeable warning signs to be posted on all conspicuous places around the fence / barricading.	8

		Using Diesel to clean the discharge area - injury, environmental damage.	Diesel should be used with care and if there are alternatives then it must be used instead of Diesel.	5
		Sedimentation ponds over flowing - environmental damages.	Sedimentation ponds to be cleaned regularly and the contents disposed of in an environmentally friendly manner.	5
		Electrical cables and DB boxes exposed to water conditions - electrical shock, injury and damage.	No electrical cables to lie in water and DB boxes must be erected away from water hazards.	8
4	Receiving Fly ash, cement in silos.	Generation of cement dust - injury and loss.	Silos to be fitted with dust filters to minimise the dust creation.	5
		Pipe from the delivery truck to the silo bursting - dust generation, environmental damage, injury and loss.	Pipes and connections to be checked before the transfer of material take place.	5