ABSTRACT

PT.Petrokimia Gresik use the permanent brimstone upon which sulphate acid equal to 600 Metric Ton Per Day (MTPD) or equal to 25 ton/clock. Freshment in working cannot be felt by all worker because existence dirt of brimstone effect process the transportation by using shove loader, others shove loader risk causing the happening of accident like existing condition damage shove loader foundation melter and also bump the laboring worker near by area of storage sulphur.

Process the handling by using shove loader with the capacities handling as much 2,3 ton to 1 times cycle loading (6 minute) or 24 ton/minute. Process this handling own the high risk storey;level enough this matter in from analysis of Preliminary Hazard Analysis, others from its measurement dirt also obtained result that existing dirt exceed the Value Float the Boundary that is equal to 12 mg/m³. Operation with the scheme conveyor because with the this scheme conveyor the problem can be overcome.

From existence of scheme of conveyor handling hence process the handling will progressively easy to because besides minimally the happening of accident work also can upgrade the production, worker even also will feel balmy in its work.. Conveyor designed to have type of belt conveyor longly conveyor1 equal to 30m, conveyor2 equal to 200m, conveyor3 equal to 50m, wide belt conveyor 800mm, with the energy conveyor1 equal to 6kw, conveyor2 equal to 11kw, conveyor3 equal to 3kw .

Keyword : 600MTPD, Shove Loader, Dirt, Belt Conveyor