

Agricultural
Chemical / Petro
Construction
Building Products
Mining
Municipal
Oil & Gas
Port & Marine
Potash / Soda Ash
Power
Pulp & Paper
Sand & Gravel
Steel
Other



Hevy/Toyo Pumps has now supplied numerous solids handling heavy-duty slurry pumps to an international pelletizing plant. This company transports cast iron pellets via conveyor belt from land to ship. It is inevitable that these cast iron pellets spill off the conveyor during this procedure onto the port floor below.

The pelletizing plant in Brazil installed our Hevy pumps to help clean up the overspill of pellets during this transportation process. All iron ore pellets that spilled over the conveyor were washed into a sump where the HEVY pump was installed to run continuously. The pump then pumps the slurry back to the loading bay. At this point these pellets are collected into a collection sump where our High Chrome HEVY DEM 81-100-4E-75-HC-460, complete with a 75 HP, 4 pole, water cooled motor, pumps the slurry back to the loading area.

The concentration of pellets is dependent upon the amount of pellets washed or shovelled into the sump. This means the pump has to be able to cope with varying concentrations of solids including occasional rags and other debris that may fall into the collection sump. Since 2011 the HEVY DEM pumps have been successfully pumping this slurry, allowing the customer to confidently install 30 of our pumps in total. These pumps have been continuously operating for years with no reported issues or failures.