

Course work in discipline "Constructional materials technology of inorganic substances" on " Superphosphate production"

The physical and chemical bases of superphosphate production, presented the technological scheme of the process. These drawings technological scheme.

The choice of construction materials processing equipment and the equipment.

PRODUCTION OF SIMPLE SUPERPHOSPHATE, APATHY, GRANULAR PRODUCT.

Weigher phosphoric flour is made of quality carbon steel CТ3, CТ4. Pressure tank of sulfuric acid produced from high-alloy cast iron (ferosylit) C15, ЧХ28 high chrome cast iron, which is lined with acid-resistant concrete, tile diabase, diabase putty. Pressurized water tank is made of corrosion-resistant steel 08X17T, 10X14AГ15. Acid dispenser can be made of alloy steel 12X18H10T, 08X17H5M3, gray cast iron CЧ18C17T. The mixer is made of high-alloy steel 08X17H5M3, 10X17H13M2T, ordinary quality steel CТ3, CТ4, who lined diabase tiles, diabase putty. Housing superphosphate cameras produce steel of ordinary quality CТ4, CТ3. The protective lining made of acid-resistant cement, concrete, putty diabase. In the manufacture of tool steel mill used 9XC, XГ, XБГ. Empty pipe can be made of cast iron CЧ32. Vertical partition made with steel of ordinary quality BCТ3, quality carbon steel conveyor 15. The metal base of superphosphate made of ordinary quality steels CТ3, CТ4 BCТ4кп, BCТ3кп, and conveyor belt - rubber cloth. The sprinkler is made of high-quality carbon steel 70, alloy wear-resistant steel 30X10Г10, 10X14Г15.