

Course work in discipline "Constructional materials technology of inorganic substances" on "The manufacture of phosphoric acid extraction"

Explanatory note 20 p., 2 fig. 4 link.

The physical and chemical bases of extraction phosphoric acid production, presented technological scheme of the process. The above drawing flowsheet.

The choice of structural materials, equipment and technological equipment.

METHOD EXTRACTION, EXTRACTOR, PULP, PHOSPHOGYPSUM, PHOSPHORIC ACID

Extractor is a reinforced concrete rectangular device with a flat bottom. Inside he lined a two layer silicate acid and carbon bricks. The hood extractor and mixers are made of stainless steel 06XH28MДT. For vacuum evaporator should be used 08X22H6T alloy steel. In the vacuum filter used 06XH28MДT alloy steel, 08X21H6M2T or 10X17H13M2T. Vacuum receiver made of alloy steel or 08X22H6T 10X17H13M2T. Collection filtrates made of stainless steel 08X22H6T. The pump is made of stainless steel X23H28M3Д3TЛ.