

ANNOTATION

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

The physicochemical bases of extraction phosphoric acid production was reviewed, technological flow diagram of the production process was presented. The choice of construction materials and technological equipment was justified. EXTRACTION METHOD, EXTRACTOR, PULP, PHOSPHOGYPSUM, EXTRACTION PHOSPHORIC ACID.

Extractor is a reinforced-concrete rectangular device with a flat bottom. The mixers of the extractor are made of alloy steel 06XH28MДТ. Alloy steel 08X22H6T should be used for the production of vacuum evaporator. In the vacuum filter, alloy steel 06XH28MДТ, 08X21H6M2T or 10X17H13M2T are used. Vacuum receiver is made of alloy steel 08X22H6T or 10X17H13M2T. Filtrate tank is made of alloy steel 08X22H6T. The pump is made of alloy steel X23H28M3Д3ТЛ.