

Course work in discipline "**Materials of construction technology of inorganic substances**" on "produce sodium hydroxide by causticizing soda solution"

Explanatory note 21 pp., 4 fig., 2 tab., 1 circuit

The physicochemical fundamentals of sodium hydroxide by causticizing soda solution, presented drawings of the technological scheme.

The choice of construction materials processing equipment has been made.

OBTAINING SODIUM HYDROXIDE, CAUSTICISATION, KAUSTITSERY APPARATUS FOR QUENCHING SUMP, WASH BOTTLES

Apparatus for quenching is made of steel Вст4сп, agitator housing – steel Бст3сп or cast iron СЧ12, the agitator - iron СЧ36, paster X18H9 chrome-nickel, kaustitsery - alloy steel 12X18H10T, railway classifier - steel Вст4сп and rake classifier of wear-resistant steel 110Г13Л. Wash bottles - Steel 09Г2С. Thickener and vacuum filter is made of cast iron and СЧЦ1 СЧ44 respectively.