

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 БСт4сп, agitator housing – steel БСт3сп or cast iron СЧ12, the agitator - iron СЧ36, pasted X18H9 chrome-nickel, kaustitsery - alloy steel 12X18H10T, railway qualifier - steel БСт4сп and rake classifier of wear-resistant steel 110Г13Л. Wash bottles - Steel 09Г2С. Thickener and vacuum filter is made of cast iron and СЧИЦ1 СЧ44 respectively.