

661.855

• • , • • , ”
• • , • • ,
• • , ”
• • , • • , ”

(Cd, As, Hg, Pb, Cr).

Sediment which accumulates on the special fields appears after cleaning of flows. It is offered to use these exhaustions as the fertilizer. It is related with the content of valuable nativities. The important problems of presence of heavy metals can be decided by the convention into insoluble substances. Thus, the plats will be able them at the safe form. Conformity of these processes enables to offer using of Ukrainian phosphoresces.

[1; 2, . 161–162].

. 222].

65 – 75 %

. , , , [7,
. 115 – 118]

[4, .209]

. . [4]
() , Cd, Cr, Pb .

[8, .4].

[10, 11].

10%

1 / 88 / ; 4 2000 / . [10, 14].

· ,
· ,
· ,
· ,

[14, 15].

7,0
= 5,5

[10, 14 – 15].

· ,
· ,
· ,
· ,

[14, 15].

· ,
· ,
· ,
· ,

Zn: Cd.

100,
6 – 7 , 100,
3 – 4 . [14, 15].

Cd > Pb > Zn > Cu > Mn > Fe, – Fe > Cu > Mn > Cd
> Zn > Pb [15].

. . . [10] , -
 . (200 /) -
 . , ,
 (, , , .) -
 , , -
 , , -
 , , -
 ; -
 30 / . -
 , , -
 8 , 2 (. -
) . -
 [8] . -
 . ,
 (,) , -
 (,) , -
 , , .
 , ,
 , [4, .214]
 , -
 () .
 ,
 , .

[8, . 7]

13
2 - 4 . , - 300 . [13].
() , -

2 5 25 - 28 %.

17 % - , 33 % -
19 % [3, . 195 - 205].

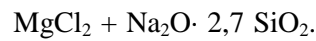
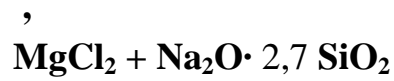
: 1.
2005. - 460 . , 350-355. 2. : (, 1978. 319 . 3.
) : . - 7- . - : , 1988.
248 . , 4. . - 3- . -
: , 1988. 256 : . 5. . 2- . 2. -
/ - : , 1985.
248 . , . Sludge Treatment and Disposal. V.2 Sludge Disposal Cincinnati, Ohio, 1978 .
c. 5-49. 6.
. - : , 1982. 7.
. - : , 1984. 8. . ,
- . - : . , 2001.
205 . 9. //
. - : , 1985. . 2. 10. - / . . .
: . . . - , 1991. 151 . 11.

... , 1982. **12.** 2.04.03-85 « -
 ». **13.** .. -
 // .. 1-2.- .38-42. **14.**
 .. : .. ,
 1987. 142 . **15.** ..
 // .. , 1999.

27.10.06

614.84

• • , • • , ,
 • • , • • , ,
 • • , • • , ,



For fireproofing suppressing of fires of flammable materials it is proposed to use gel-forming system. By the means of thermogravimetric techniques it was explored the kinetics of combustion of treated by gel-forming system MgCl₂ + Na₂O · 2,7 SiO₂ wood. It is determined the matters affecting the mass rate of burning out of wood.