

628.171

• • , ,  
 ;  
 • • , • • , ”  
 ;  
 • • , • • , ”  
 ;  
 • • , ,

( ) .

2020

( ) ( ) - ( ) .  
 ( ) 2008

1.

$$= x, \tag{1}$$

2007

$$/ .^3, \quad 2007 \quad 180 ./ .^3. \quad = 336 .$$

$$1 \ 000 \ 000 \ ^{3/} \quad 900 \ 000 \ ^{3/} .$$

$$000 \ ^{3/} \quad , \quad 1 \ 000$$

1

$$(\sim 900 .^3 \quad \sim 103 \ ^{3/} ).$$

2

1,

$$(\sim 900 .^3 \quad \sim 103 \ ^{3/} ).$$

$$\begin{matrix} 3 \\ \sim 900 .^3 \quad \sim 103 \ ^{3/} . \end{matrix}$$

. 1.

1 –

336 ./ . .

					(		
					2008 ), . . .		
= 336 2010 . ./ . .	618,106	31,9	650,006	6384,148			
1	303,166	31,9	335,066	6384,148	314,940	0,000	314,940
2	303,166	0,0	303,166	6384,148	346,840	0,000	346,840
3	303,166	0,0	303,166	6042,718	346,840	341,430	688,269

336 . 1 . <sup>3</sup>

3.

<sup>3</sup> ( . 2).

583 276,0 . .

574 ./ .

569 922,0 .

2.

574 / . .

					( 2008 )		
= 574 / . . 2010	1055,93	31,9	1087,830	10906,253			
1	517,909	31,9	549,809	10906,25	538,02	0,0	538,02
2	517,909	0,0	517,909	10906,25	569,92	0,0	569,92
3	517,909	0,0	517,909	10322,97	569,92	583,27	1153,18

( )

,

3.

3.

—

	336,0				574,0				
	2010-2014				2015-2019				
	1	3	1	4	1	5	1	5	
1	2	3	4	5	6	7	8	9	10
1	314,94	1574,70	314,94	1 574,70	538,02	2 90,11	538,02	2 690,11	2 000,00
2	346,84	1734,20	346,84	1 734,20	569,92	2849,61	569,92	2 849,61	500,00

3

1	2	3	4	5	6	7	8	9	10
3	346,84	1734,20	688,27	3 441,35	569,92	2849,61	1 153,20	5 765,99	10 000,00

:

,

-

,

:

1

1,

-

-200.

,

,

. 4.

,

4.

-200

pH	5,5-9,5	7-7,7
	110-400 /	1,8-5 /
	900-2000 /	10-15 /
	0,2-10 /	0,8-4,2 /
	3-22 /	0,2-4,8 /
	10-90 /	0,2-0,6 /
.	500-1200 /	3-5 /
	20 /	0,05-0,3 /
	1000 /	

2

( 3),

.

-

8,0 . .

3

2 (

500,0 . ).

4

5

2. : 1. : <http://www.nalog.ru>.18.09.14.

2. Ledovskoy V.M., Worldly N.I., Gladyshev S.A., Kracht V.B. have been, Karpov MET Noospheric development of mining-metallurgical complex of Kyiv-Mohyla Academy. Ecology. Technology. Economy. Management. – Stary Oskol: Thin high technology, 2003.

**Bibliography (transliterated):** 1. Electronic resource: access mode <http://www.nalog.ru>.18.09.14.

2. Ledovskoy V.M., Worldly N.I., Gladyshev S.A., Kracht V.B. have been, Karpov MET Noospheric development of mining-metallurgical complex of Kyiv-Mohyla Academy. Ecology. Technology. Economy. Management. – Stary Oskol: Thin high technology, 2003.

(received) 23.05.2014

338.32.053.4

• • , • • , ”  
;  
• • , • ,  
;  
• • , , ,