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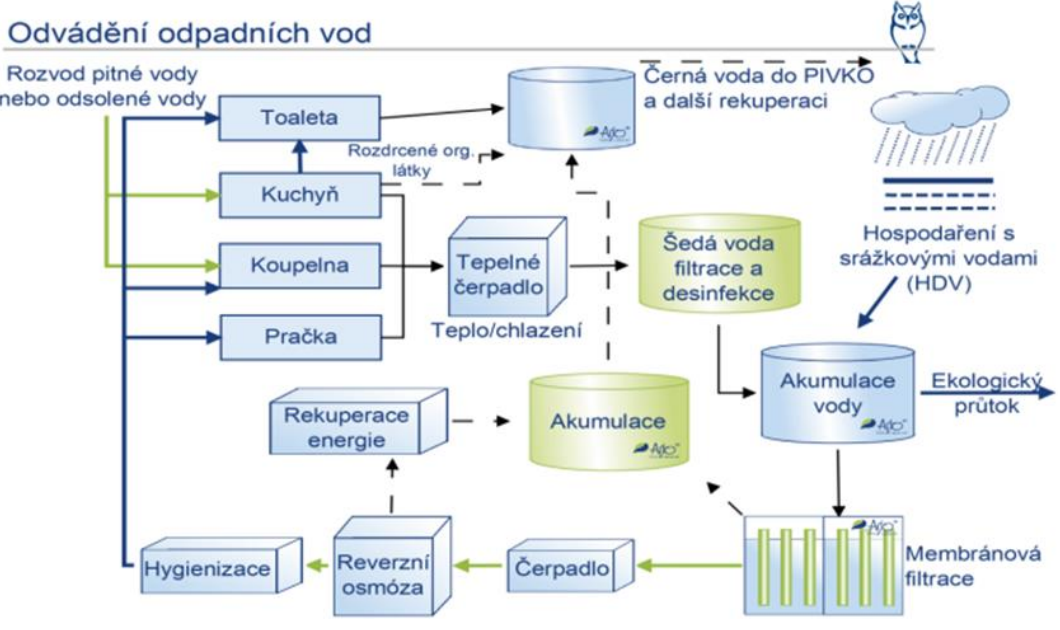
Rešerše – hospodaření s vodou

08/2015

V G E J P Q N Q I K G " W O E Q f i ' X W L P C O P Q W " — U R Q T V
R K V P : " X Q Q E D [[' V X P E J " Q D L G M V G E J

— X Q F " F Q " R T Q D N G O C V K M [

E q " u g " v g " v g e j p q n q i k ¶ " w o q f l w l ¶ e ¶ x e j e " j A " u | r g q l t ¶ w e " ¶
z r t q u c | ¶ x k c | ¶ ¶ " e p o j a z v . š O q ' d G W y ' q x ² o " j a q p u q r x q k f e j e ' ¶ j a k o e j s ¶ u o " ¶
šo u v c " d w o f l e j i c h e ¶ m j g u o ' k l g " o k p k o c n k | p q k x e c j v f l " r l q g v f ¶ g p d " w l " g l
i r k v p ^a " n x i n k f o c c O n " k U c e ¶ " r q v g d i q w x k u v ¶ ² k ' x o f k p ' k o d e l g |
q f r c f p ¶ e j " x q f " c u " r v q ¶ w o " g k d " t o " k g p k g q t e i n l g g l n p " e p g c " À r t c x w " c
q f r c f p ¶ e j " x q f . " v c m g ' k g t p i c k " ¶ l " g n o d n e k ¶ ¶ e q v t u c h p u x r " q p t ¶ v " 0 g ¶
z q f v ² m c l ¶ e ¶ " š r q w f l k v ² o " x q f { 0
R v k o " l g " r q v g d p ² " u k " w x f q o k v . " f l g " p c r 0 " u c c
n k p g " À t u p r q " n g c " f p " m l c m " | c " r k v x p k q f w c " e x k q " f q w f . r " c v f o p n ¶ " e j e ' x q
v u ¶ f n g e j . " m f g " j k u v q t k d m { " v l g d a " g k " w x g p q o b e g p v
t q | r q ¶ v ^a x c p e j " p c q " f k g p d x ¶ g t o q v k f e j g q " u t g k e m n t c d " l p a c x x ¶ ¶ " f i - g g p p ¶ ¶
c e n y . L i d q x " - g p ^a g m p n q c " f { " p c " r q v t w d ¶ . " x q f q l g o { " c " q d u
o p q f l u v x ¶ ¶ " o x " q n f q { i " k c e ' m v { " x | t c q u v f g ' z p g p o e m d v ¶ e o ' p R f v g ' q d g
u p k f l q x ^a p ¶ o " o p q f l u v x ¶ " u r q v g d q x c p ² m " x v q f ¶ t r o f r r a v t ¶ u
q f r c f p ¶ " { x q t f i k { ¶ R v X w c e g . " m f { " u p k f l q x ^a p ¶ o " u r q v g
x q f q x q f " c " m c p c n k | c e ¶ " | n g r - w l g o o g k o n d m i c k o u c t c o g v
p ^a x t c q v r p c q v u v g p ¶ 0 " p X c g " f A n u g r " q p t g w i c v k x p ¶ j q " x n d ¶ . x ' w f l ' g p " c f " ¶ e n g p
o g p - ¶ o w " v o d p o q f l f w g v " x ¶ p v t ^a n p ¶ e j " v u g g e u j v p n k o e q " d n ² o o . " m v
d o p o s u d n e v z n i k a l y ó x k | " | c p ^a - g p g l d q n " c p e n k g p e k e ¶ m { " w " o r k v p e
a m v g t ² " d q w " f g c ' m p ² w " v p k " t g m q p u v t w m e ¶ e j | p ¶ e - p v f n e c ' f i
N q i k e m o " g - g p ¶ o . " m v g t o " d { " u g " r t q x q | q x c v g n
d t ^a p k v " c " | r q o c n k v " j q . " d { " d { n o q " v ¶ o x ' g d f { g " p u ¶ g " " f u x p q
x j q f p q u v " * p ^a x t c v p q u v A d k f u x g v u ' v k p e f g u r A q x ' q ¶ : x q n f g C
p c " k p x g u v k e g " d { " u g n ³ a p y g b y k o p o ¶ v c o n v ' p f l d ' r e t g p - f u ¶ f b d ' ² J q
d { " u g " x k p j x i g f u p v k u e v g " u p ¶ f l k n c " c " r t q e g u " - g v g p ¶ " x q
L k p ^a " u k v w c e g ¶ e l j g " u w { " u f v g ² e o g p " v t t ^a u o q " d u g x { " A ¶ f ¶ q a q ¶ f v q p v q " w " ¶
p ^a m n e f n f n q x ² j q " r q j n g f w " r ¶ | p k x l k " c " r ¶ o q 0 " V o
q " À u r q t { " c p k g k j p q q d v g ² p v g q " " d q w d f n g c " u x v k { u n w ' c m " u n w f l d ^a
x v - ¶ " u r q v g d c " c " v g f { " k " x ¶ e g " u n g f q x c p ² " p ^a m n c
A s i l g " c n g " v g d c k ' u k " g v u x " x e g k j p { ' f l g x u k m g f q m { v ' k e ' u x e
s À u r q t q l w g " x v q f { r q f r . q " t c q " x v c p " k ' x v k t g g p k f o n - e p ' k a e p f b g v v g f { " ¶
j a k o s x | p c o p o " r t q e g u g o " o w u ¶ o g " e q p c ¶ v l c g f p p ' ² X " u n t g
À u r q t c " g p t ¶ l u f d v g d c p " c x " q f f t { w " j c ² " " g r p c g m t " i | k x g + - . g o p ¶ " p ^a m
n a p o | v c f l g n p ³ q " q p w d l k 3 v ² " x o f - { e o g " h E g " m m x q a x e g " x u p u ¶ v l " g n p ¶ " p ^a m n c
e q f l " r g f r q m n ^a f ^a " k " f c n - ¶ j i n a k t b y s e x p r o c e s " r A t u c r x q f t p r q e f j q " d v p
n e p r o s a d i l (p o k u d b e r e m e g m q p q o k e m " r q j n p g g f d " q | d { ' r ' q l f g u j v q c " v r p t q + u
r q f u v c v p " r q o c n g l - ¶ 0



Obr. 1: P q x " r s a n i t a c i e v l u c h ů t z v . q d j q x 2 j q " - j t q u e r { q m f n a c e u g v " x | f t q v o u v g e j " p c " k Å t q e x j p [2 d] " q l o g f p q v n

SWOV " c p c Ām r | q c t "

U k n p 2 " u v t a p m {
 - e m q p q o k e m " r " p q u . " p m f { " q m c o f l k v " * x " r " r c f
 - q u n q x w l g " g m q n q i k e m { " u o - n g l " e " n k f k
 - r q f r q t w l g " l k " c " d w f g " " o " f a n " x " e " r q f r q t q x c v "

Slad 2 " u v t a p m {
 - v p m v g t e j " r " r c f g e j " f n q w j a " p a x t c v p q u v
 - f c n - " a t e d y s t a f o s t g p d o " p c x " e

R " n g f l k v q u v k
 - z o p c " n g ů p k c u r n c o v " k | x r { q " r n c v p p " x { r q w - v p " u t a f l m q
 - n g i k u n c v k x p v k v q f " u q t d l m q x e j " x q f
 - e z k u v w l " | c " d x p . " g u p ' k f l q g v a p d m " e f g p

Q j t q f l g p "
 - z r q o c n g p " r t q e g q w d ' x v v g x k l " x q f b k p q f i q d c ' f m q p u m k f l m
 cena vody)
 - lobby a p g i c w i k n a l e g i s l a t i v u

V g e j p k q e f m p 2 q u o v k q t " r k v p 2 " x q f {

V r q f u v c v " u g " f c l " t q | f n k v " p c <
 1. R " ō v h o d p o " r q w f l k v " o " | c . k " | d x a e f g j k m o j g " f a { u v
 f q f c v k " p c o " | g p " o k i m (f q f r a x o k ' p u k r e j k n o d m - g " r d " d g | " k p x g
 | o p q w " - p g a v x { " m o g " r " o q " . u r q v g d w " r k v p 2 " x q f {

2. P g r d o^{a2} u v " x q f { d { m v " r q w f a f r x a f p l o l' g k l' p c m j q q " r | k f v t p q^a l. g " . " tento z f t q l " o f l g " d u v t " a x f i m i q p o d d q v w g f o f m k d x c p l b q x' o f r d c x q f r c f p ¶ " x q f c 0 V c d 0 " 3 < " K p x g u v k e g . " À u r q t [21] c " p^a x t c v p q u v

Q r c v g p ¶	Investice	—spora	N ^a x t c v	\ o p c " u v ^a x c l objektu	Pozn.
\ o p c " p ^a x { m	+	+++	+++	+++	
Q o g q x c g " r t v q m w u r q v g d k g	+	++	+++	+++	
D g x q f ² " v q c n g v { " c	++	+++	++	+	1
X { w f l k v ¶ " u t ^a f l m q x e	++	++	+++	+++	
X { w f l k v ¶ " u t nã W G n a p o s l . e	+++	++	++	+	2
X { w f l k v ¶ " u t l ^a c f i n n q q " x r k " \	++	+	+++	+	3
M c r m q x ^a * r k x p q j v c' k "	++	++	++	+++	
X { w f l k v ¶ " - g f e j " x q	+++	++	++	+	4
X { w f l k v ¶ " x { k - v p ^a x n c j w	+++	++	+	+++	5
R ¶ o w ² f l k x v { ¶ " q f r c f p ¶	+++	++	+	+++	5

- " o k p k o^a n p ¶ À t g g d q " p w d q x x j q f p q u v
- - " u v t g g f x p g ¶ " p g d q " x j q f p q u v
- - - " x u q m g " p g d q " x j q f p q u v

R q | p^a t a b u l c e " o n x c t k c d k n p q u v " l g f p q v n k x e j " q r c v g p ¶ se | g l o r² q p f c n " g " m q p m t² . v " p c ¶ " e v j d " r q d f g u ¶ v l g m p v 0 g " d f c " r k " | x p m v g q f q v " g p ¶ " d t^a v " f q " À x c j { " k " v q . " f l g u r q r g O' " | r k v p² " x q f { . " c n g " k " p ¶ " a m x n q c f f { 0 " " | F c k " a p h i k a o v o c k d f k c n e p k p " ¶ q l f g r " g u v^a x c l ¶ e ¶ - e q j d " x d { w m f n q x " a l e g j " " x t c | p " x { - v a r k o n p r a u j e t c v p q u p g d q " u v c x ¶ " p q x^a q = " c u v c A g u p r ¶ q p " h g " c x r q n f k { m " c k e p g x " c | k x p ¶ o k " r q " u v t^a p p ¶ ¶ " p q x p q v g q u v k u d w o s t a j e p p g q x j e q j f " p u o d x g' d " i v c m q q p j q f p w v ¶ . " f l g " u g " r k r t c x ¶ " t q | x q f " r t q x q | d w f g " p c k p u v c n q x^a p q " f q f c v g p 0

R q | p^a o m {

1. R q f u v A c u v r p k^a t' c p " c " n k m x k f c e x k " v q - f k r p c q f o p ¶ ¶ u e v j d' f x p q e f g = " g m q p p r i o r i v p a z x^a f l g p ¶ " x { w f l k v ¶ e' x l g | g h p f e . j " " d v k u q x^a t e j' x
2. X { w f l k v ¶ " u t f i f l m q x r e g j x q q p ¶ " x q f { " l g " u r ¶ - g " f n q w m q n g o " f g M g^a v h k s l " v t r q m ¶ r c f " p q p x g d e q j " " t f g q n q p u v t w m e g " u u c o q u v c v p x^{aa} " f l c g m p e ¶ g " " r m q g f " n | g " o ¶ u v p ¶ e j " r q f o ¶ p g m
3. X { w f l k v ¶ " u t f i f l m q x r e g j x q q p ¶ " x q f { " l v c l n 0 q " p x c q' f u { r " t r e k j v q p x^{2a} . p ¶ " c j e r ¶ r c f u r ¶ - g " x g " u r g e k^a n p ¶ e j " r - v ¶ r p ¶ f " g r e k j v . p' m f x n e b o l { { " p {^a m f m f { " u k " v q " x { f l f f x q w f k k x o f ¶ g n j " p c r 0 " |
4. X { w f l k v ¶ e' j - " x q f " l c m q o^a x' q u f o { " u t n d' x w q " | x p v ¶ v e - j ¶ ¶ e " j u' r q d v l g g n d r t q x q | p ¶ " x f e k t i v n a s t " r o s t e t s q x v g q n f k g m " q g u v ¶ t q o l w m v j v q o v ' g R " l g m q n g o " f g v u r g v ¶ k r " c t f q m' u . q " w c u p² j q " x { l w g f z k r a v u j e : " v g r n c " u
5. X { w f l k v ¶ " x { k - v p k e m { " p w d q e' x l g p p " e o j g " e q f r c f p ¶ e j " r ¶ u g w o o p d " l g " v g d c " | q j n g f q j k m g' f j g { o i " k p g q p k p m² k ' a p l i k a c e o p c r 0 " p g k - v p² " q f r c f p ¶ " x q f c { n' g u " g r' q p o g q o e q ¶ j m c r m q x² " l g^a x n { o v j b { g h g m v k k p q u v " r c m " j | t^a c x | k v u l ¶ ¶ " p k c " v k q f r c f p ¶ g j l q x' d g p l " k u e p j k' f r w t l q ¶ f " w m g e k " r q " a u v " t q m w " c v

R ~ O f " — U R Q T C

F q " v ² v q " m c | v o g i p q c t " k p g ^a o ' x g { o m y x . c " " g d " g r | t x q v f q ² m ' v c . d " " r | , c g f k d q v
 À u t p ² " u r q v g d k a g n ' c * r m t q c x ^a m p o d . ^a " x c n { c j n e c + "

\ o p c " p ^a x { m

\ o p c " p g ^a " x p { g n l n " g l x p l - q f n e ' b f l k v u q d p o f k t q f d v p ' q r u q v f " 0 v " g O n { q
 x q f q w . " u k g p i p d " v c m h g p p " m t q q v r ² g m c " l x g e " x c e p " è . i n q f q w e m
 ó v c f { " x - w f g " p ^a o " r t q v ² m l ' d ' x m f f t " u w c o n t - f m ' c x l f d e ' c ' x o g p k
 u " l g f p q w " x c t k c p v q w " u r n c e j q x ^a p " p c k f p g d p m m w 0
 \ o p q w " c n g u r q " p m v g t e j " p c h l a Q O n " n | g " w - g v k v "

R g t n ' c v ' q t g { v k g " x q f {

D c v g t k g " u g " d f l p . " f q m c { u " g p v k k o f f f r ' g o f i u q d t u { g " x | f w e j
 q d l g o p x t - e f n . " x g " x u n g f m w ² p g 0 " t f g h u w l q v q w d - f p f p q p
 r g t n m w g t t ² . " u r " t r c e g w f l p c u v e x g p o R x f p q 0 p " n + g v x k w g f v
 v o d y ó w " p m v g t e j " l g " o p q f l u v x " r t q v ² m c l f e " x q f {
 o q f l p q u v " * w f l k l g v g " l g " r k " u r t e j q x ^a p . " o { v " t
 u r n c e f q x ^a p +



Obr. 2: R f m n c f " x q f q x q f p " d e x g g k g + q e c v f m n c f g t n g
 w o { x c f n c " l " [21] g | { " c " u r t e j { 0

Q d g e p " r n c v . " f l g " d c v g t % k x q ' f u { " r x g t " n u ' t v q x t p g o p " w - u g " v d c
 v y b c x g p g o " R g l z e n r ^a v k q m t q " w r k v - d g ' p f q q x f c " v u g g " p r q j { d w l " q f
 f g | f " 5 2 2 " M " n | g " r q . f f k v " - g v k g " x q f { " f q " u r
 W x ^a f . " f l g " l g f p q v q f i d w r t ^a p " t p 3 4 e g p " x q f { " * x " t
 | c " m w d m m 0 " p e w f l " f g q " f c h t q i s : f M m : 5 " 7 8 7 " M 0 " P c q
 s p r c h a (7 0 n + " r g x g f g p ^a " p c " r g p | g " x { e j ^a | " p c " 7 . 9 2 "
 T q p " À u r k q p t c l " v 2 g d f { M " 0

Sprcha, vana

D f l p ^a " t w o p " r u v o d y a s i j h o l / m i n . . " u v g l p " v r c m " r d e g f f g h t p w " k
 j n c x p r c h . Q j x - g o " r t q l f k f l x à u f d u p ² " u r d e p - q r t o " v j m e g x k ' e c g l
 k o l e m 6 l / m i n .

X g " x c p " u g t u r q v t w d w f g g x p g f l " 3 2 2 " n k v g o j e f k q f { " p
 v g d r c q " r v k g v p q w x m t ^a v m q w " u r t e j w " * f c n - f e g x k e c f l
 u r q v g d w l g / m i n * q m d n q r ' n p 2 o h r t v q m w + . o k v p w w . " u g c ' m f f

u r q v g d c " l g " u g " x e j q " k g w f e v e p " n k f g " e d m w f " u g " p
 v y r n c v " u g " w p r c h u g 2 0 p q u v q x c v



Obr. 3: R " m n c f " À u r q t p 2 " v c n " q x 2 p j n v x p p 2 " u f m e j z " d c v g t k g . " m v g t a " u p k f l w l g 2 1] u r q v g d w " x q f {

Toalety

a) k n c u k e c y 2 " v q c n

U v c t - " o q f g n { " r q u m { v w l " l g p " l g f p g v t x f o w t " l k a c p " v w " u r n c e j q x i p " m n e v f c " m ; | x 8 c " p n k " v p t c " " x g n m q w w e z k a v o d i d w g À u r q t p o n a " g n e 2 g p u m d v e j e m d v i r n " o d y , p c " o c n . 2 " 5 " n k v t {



Q d t 0 " 6 < " O q f À g r t q p t " p " v o q " c f n v g a v n o p " u o " u r n [2 1 e j q x a p " o " *

b) toalety s o k p k o a n p " u r q v g d q w " x q f {

X g f n g " À u r q t p e j " v q c n g v " l g " v o d y , n k d y " p c c " f u c r " n w a e c j m p w v " u k " p m q n k k v m t " o f " g x e q k v e " | c k | q x c e " r g f o v { " u g " r q w f i p g d q " l g " l r g t l o " d " m o 2 h a m " s u w f m e q " t t q o k u g o " o g | k w v l f k v p q w g " n j q f p q v q w 0 " L g l k e j " v { r d k s e m e g t r q w u l j k t g q l o p c l l " g " w p e l r " x 0 " v v n k f " c " v k v q " m q k o f h 2 q " t x v e . f l " g p f g v f l g " x e v p e j r 2 " 0 | " Q e d j t o f " { +



Obr. 5: " R " " m n c f " g - g p " " u q e k a n p p " t j q f " p | " o C' g r a c f t " m a w n " k " g e r [21]

c) **q u v c v p " f t w j { " v q c n g v**
 G z k u v w l g " k " p " m q n k m " f c n - " e j " x c t k c p v " v q c n g v . "
 k x q f " c " l g " u p c j q w " o k p k o c n k | q x c v " o p q f l u v x " x q f
 < **c j g o k e m ² ' d v g f c p n a g " w u { g " x q g g " p n f y s o u t e x k r e m j e n t y w m n a f a p { " c " | a t**
 j s o u c h e o k e m { " c " d k q n q i k c e m w f " w l r u t q c w " q x t p { " o q | m n c f "
 t q | n q f l k v g n p ² " r " r t c x m { . " n | g " r c m " q d u c j " v q c n
 < **s w e j ² " v o p n g y { q o a f l f p " q f r c f " r t q m n a f c p " u w**
 t c - g n k p q w " c q d f t u g h | p q x w " x { w f l v " l c m q " j p q l k x
 < **toalety s x { u q w - o g x p g p o v k n a v q t " | c d w f q g o p " g z m g o g p v {**
 " o t f l g " f w m w l g " l g l k e j " | a r c e j " . X h u w g o p q c w " o r p g x f l p u q w
 kompostovat.
 < **s g r c t toalety** " o c u v q " d g | { x . q " f r ² " v r d c " n r g q v w | g " u g " u r n c e j
 toalety w t g p q " q f x q f " o q k 0 " V w j x p k q f p q b " u g u d d o m v
 v p o " p a u n g f p " m q o r q u v q x c v 0



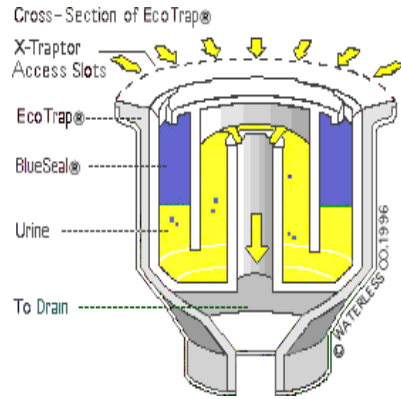
Obr. 6: Chemick a " v q s u c h 2 g " v a e o a l e t a s x { u q w - g p " o " p c u j t q v o a f l f p

R k u q a t {

a) **m n c u k e m ² " r k u q a t {**
 M n c u k e m ² " r k u q a t { " u r q v g d w l " p c " l g f p q " u r n a e j
 A u r q t p l - " x c t k c p v { . " m f g " x t q d e k o g w f " a x c l 7 " c f l d v

b) b g | x q f 2 " r k u q a t {

D g | x q f 2 " r p g q f m e e juwgl"¶ . " o c z k o a n p " u g " q o { l ¶ " f g u k p h g m p ¶ j d h g f l d u p c g k m w q d e k + 0



Q d t 0 Kl0 f { R o ¶ f g t p ¶ e j " d g h w p m e g j | f k [2] d j q x 2 " w | a

M { v ¶ d p ¶ u f e x a v o { e g

Dle À f c l " r g α u q v k 0 2 s e f r V q g v u v g " d o { x q f g { " u x g " n k p ¶ k g " f n g u r w - v p ¶ " j n c x p ¶ j q " o { e ¶ q q o g t ¶ i 3 4 ö w f l ü g 2 o q j { d w — u r l x p t f " q u a j x p { q w w l v ¶ " x a p ¶ o " À u r q t p w j d h o g e ¶ j q " g o t ¶ i t x q r t o t p a " u r q v g d c " x q f { " q r t q v k " d f l p 2 o w " r t q i t x t q d e " k " q " x ¶ e g . " c f l " A ü n q t ¶ Q d g e p t d ü g d q w g v ¶ ¶ d 10-37 " n " l " o { e ¶ " r t q i t c o 0

R k " o { v ¶ f " p g a | f w q " d u ¶ g " x u g r " q v g d * w r l g k " c a u { k v " ¶ 4 " 2 p " a n f " q v d g ¶ r " n r 2 q " f x l g " v q " . c " f l | " c 6 v 2 ¶ " o e q " o { m c " u n k " u x w g r f t g a x 2 0 " f k ¶ d m n { k " f l x p { w " f l 3 k 7 v x q f { . " c m d q n f l k ¶ " " o p { c " i n g g n " g o m v ¶ ¶ k e p w v - t ¶ p g l l g p " | " j n g f k u m c v o d y , a l e i e n e r g e t i c k y . ¶ Q

R t c m {

L c m " w m c | w l ¶ " t a b u d c e j p k a m x e f ¶ e ¶ f " v k d n v k g m q v d e s p r ¶ C c g m u r q v g d w " t α q g m " w | g " ó v z x f l g m q n " 2 x { o o ¶ g t ¶ k k v p " m k k v ¶ ¶ ¶ o p e c k " . " | x q n g p t z e ¶ ¶ q i t c o w " c O d g e r p w " r l t g a " f n q " 0 e e c " 7 7 " c f l " 9 2 " * c m q n k " v q " n + f l g t d k v r t e f l p ¶ : " 2 u { p v g v k e m 2 j q " r t a f n 40 c f l " 7 2 " n " x q f { " * c n Q " d g e f p g " p u r a g n e " v d t g " v f u { r c q f l v " 9 g 2 d " { n " + x 0 q f { j n ¶ f c v . " c m n q g n v k " " k l " g p " c v " v g q d . c " " f b g l " u o g p - ¶ " o p q f l u v x ¶ " u r l k p f g . " p c r 0 " p c " p g f q u v c v g p 2 o " o a e j a p ¶ " p c " m q p

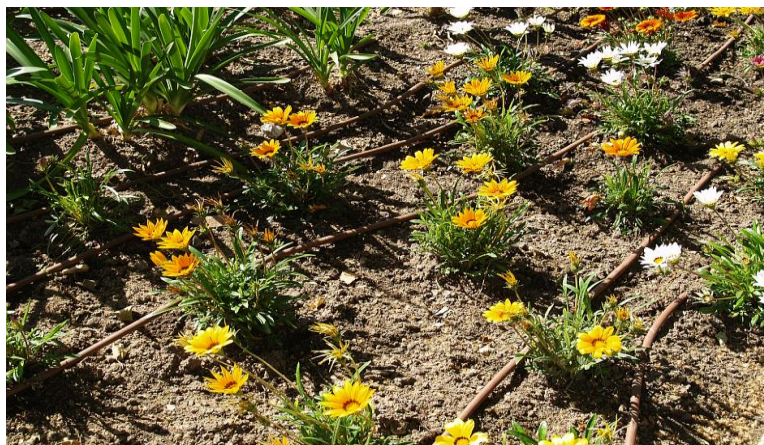
R q x t e j q x f t q α ' t e c j r q n x q a x " a n i ' | a x n c j c

M c r m q x 2 " * p g d q " v c m 2 " m g l r X p k n p x 2 H - ¶ ¶ o a " x a n c p j g l g m q p v d ¶ c | c n ¶ t x q a u p v n k p 0 " C " l g " l g f p q . " l | g g u n v g n p k k " p r w q " v p g g d d q w " l v g v g g d " m c r m q x 2 " | a x n e j q " " k e g w j p j d f l p f l . p " r u v q x c p 2 " t q u v

Kapm q x² x n c j { " o c l " p m q n k m " x j q f <
 < o r t q v k " d f l p w² - o g v v " | " c " n c² k i l f v e s t e " d o k a p k q f z j q c f l q x^a p " u g "
 d t | { " x t^a v " .
 < z c n² x^a p " o " w s e n o m e z u j e p t " u t v d', u r v n g k p g ' h g
 < p t q v u g l ' g x' q f c " p g u v " m v z n i k p r c n " n u k p u f v { . " q o g | w l g " u g
 < d q " u { u z e p o w g m w v^a : " j m s e j g k m " c u p c f p q . " t { e j n g " c " x "
 dostanou k t q u m, n k p^a
 < - g g p t i k k .." c u " k " r g p | g

Ekonomika - c g p c " r t q " t q f k p p " f o

Nax - g p " e g p { " q r t q v m d p m k h c p 15 v k u 6 t m m g " p u r q t
 20 m³, v l 0 " A u r q t c " p c " x q f p² o r a t n o s' c u a 7 q q m² o " c u k " 4 " v k u 0



Obr. 8: K c r m q x^a " | a x n c j c " i v o d a m i w c p k d p " 21 l f d a f p " d "

R g j n g f " o q f l p e j " r " o e j " A u r q t

Tab. 2: R q v g d c " r t q x q | p " d o v f f " u r " t x q (D N 1 9 8 9 - p) " o " " x { w f l k v

\ r u q d " x { w f l k v o d y	Pot g d c " r t q x q p " x q	
	- u r q t p ^a " c	P g A u r q t p ^a "
Toalety v f q o ^a e p q	24 l/(osoba . den)	45 l/(osoba . den)
Toalety v c f o k p k u v d w f q x	12 l/(osoba . den)	22 l/(osoba . den)
\ ^a e j q f { " x g	6 l/(osoba . den)	12 l/(osoba . den)
R t c d o n e a m e p q u	12 l/(osoba . den)	20 l/(osoba . den)
\ c n ² x ^a p "	cca 1,0 l/m ² * p c " r n q l e c j j w t " c e f g { n . 2 " k " m f a { (60 l/(m ² 0 " t q m + . " c n ² x ^a " u g "	
M t q r g p " j	1,2 l/m ² p c " l g f p q " m t q r g p (200 l/(m ² 0 " t q m + . " m p q t f l d' u g ^a c	
M t q r g p " s	cca 1,0 l/m ² p c " l g f p q " m t q r g * : 2 " c f l ² 0 4 " 2 l d' m m + l . * " o m t q r " u g	

PGR ~ O f " —URQTC

O g | k " p g r " o 2 " À u r q t { " n | g " | t c q l c f 'k v ù v r v q f v f l d k 'v " u f c h
a r q w f l k v " t g , e a f o m | n r q t x c x p k 2 f " n x c q " f l { c m q " x q f { " r t q x q | p " 0

X { w f l k v " c " r q v g d g è p t q x q | p " x q f {

R t q x q | p " x q f c " u g " q d x { t o a l a t , g k z a n q v f p " a " | m g ' t u f n è m j t q
a r t c p " 0 "

R q v g d c " x q v f f ' q ' o r ^ t e q p " q r u t v c k p " % p g è r m d x d h ' k f l p R v q e b a z d { " x q
x q f { " r t q " t o a l e t n c k e p j q " x r ^ p k d ' n k f l p <

< v f q o ^ e p q u l % k z e s g 3 m q x 2 " r q v g d { " x q f { .

< v m q o g t p " e j " d w f q e x g ^ n e m j q " x 7 2 2 " " f r d q f l v * 8 g 2 d ' v { ' q " j x k q " r t % q " r k u q ^
a p r o t o a l e t y 5 7 " c % f) . " 6 2

X { w f l k v " x n e s t u d n a " j q " | f t q l g "

Studna je x v - k p q w " u x k u n 2 " | c " | g p " u n q w f l " e " m " l " o
v g t o " p g o " q | p c w l " p g l g p " m q r c p f ' t u j v w f o f l . g e m g " u
x g " u o { u n w " v x q g p l p j q t j v r ' d " n r q c p f c " l g l " t g g c p n k g n t g g " l
u v c x d 0 " — g n g o " u v c x d { " u v w f p { " l g " | c l k - v p " | t
j { f t q i g q n q i k e m 2 j q " r t | m w o w " q g m e w g ^ " p n q q w n " g m v u q
r q f | g o p " x q f { 0

\ ^ u c f { " p ^ x t j w " u v w f p " o " u v p j ' q " U P ^ u 9 q 7 d " q x 3 3 p 7 " " s r U
o " u v p j q " | ^ u q d q x ^ p " r k v p q w " x q f q w o . " m v g t ^ " w x ^
o q f l p 2 j q " | f t q l g " | p g k - v p . " x d t " u v o c x u g v d g p e j e " j
s t y k u s t e t 2 p g o . " À r t c x { " q m q n " c r q f 0

G m q p q o k l e e l n u s t u d n u q

V q f q w " u g " u v w f p { . , ù g d x f m p g ' j d g f k À f e g x t t j " u j q d p w g d c
| f c " v q v , d ' g f v q x g d u v ' | p ^ v " t q | d q t " x q f { . " r " r c f p "
u v w f p c " x j q f p ^ " v w c o o q . f l " m f " g p " m j o d y z o e l a w p " e r d k x v d p f 2 f 0 % u r q " |
f ^ t a n g m f g " u g " p ^ m n f g u " v r m j e j d w l k u ' f a n e b o * t a m , k d e b y b y d " 6 2 " v k
x { u q m " k p p ^ x m g n u c v f k " p p c " " x { d w f q x ^ p " r " r p o p l a t k u d a " U c o q v
q f d j e v t l g f p q v m ^ e j " m q q t f w d p 0 t " g V o l " 0 u " g x " n - c g u v t p " q x l g h a d j u o t k q " x p p ^ m
c c a d o 5 0 K f o " R t q x q | p " p ^ m n c f " r q v x g d u w p " r t f t f x q l ' x r q d
p ^ m n c f e " g p q m " u l c " x { d w f q x ^ p " u v w f p { 0

X { w f l k v " m q x l e n j d x w f l k v m q x 2 " * r t q x q | p " í + " x q f {

X { e j ^ o b g c p g ' e j " r q f l c j f u a x r m f ' e g e p q x u o k " x q z r t o k p ' e * k j r f X "+
w f t f l k v g n p 2 j g v ' t l q v p r q d f l n g 2 q o l { g " l o g " p k u " w d i k e m l g l è m q " r
o w u " p c r c f p q w x v " e x j { " w x l c k f v " l ' c u n t q * " f p m q " f r { t " c r p t l q . x " q o l { p v " . " u
a x q f { " p c " R | q c m m 2 f x " a l p g l " 0 t ' q p " | k u m " f g - q x 2 " x q f { " o
f q r q t w w l g " u g " e w j r ' w | u r v k u w q " d q f " x p f v m f g k d y q " l * g p " c o r q f l 0 p " a r " t m c q p
s x { w f l k v p o 6 " . " c d { " x - g " w x g f g p ^ p p o t q x p q u v " d { n c "
X { w f l k v " x t f f m q d x { e n j " g " x { f l c f w l g " q f f n g p 2 " q f x ^ f
x q f " | g " u v g e j " r g u " l g f p q f w e j ^ " k u v k e " | c " |
p c r m o o w p k m c e " . " u g " c u v q l " g q " f l x g ^ l f k e l j " " d k g - | v " x p { w ' f l k g v " "

R g f p k " w t " f l m c q " x r q e f l j c " f x c q x f m { " p c " l g l k e j " c m w o w n c e

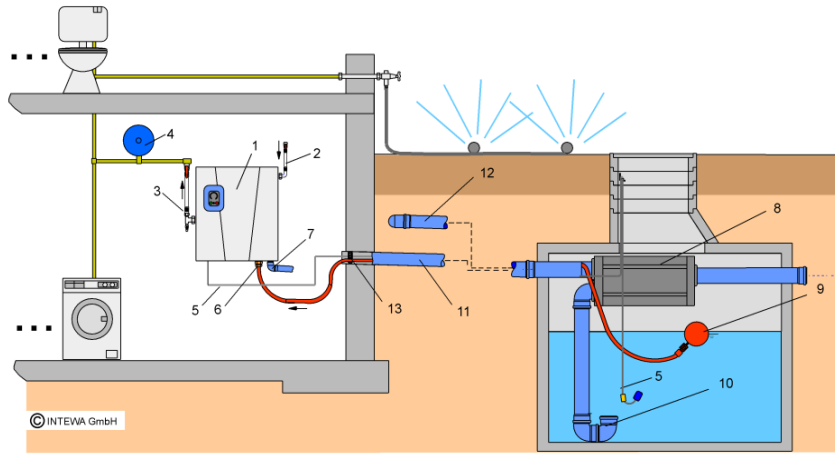
F g - q x 2 " x q f { " x { f l c f w l " | r t c x k f n c " r q p w | n g v " g l t g f o p j q " r " r c f g e j " f q r n p p 2 " E g j { q k g b k e m l " l g d g d v g g d p " min k o c n k | q x c n t c u " v w d flopk q m u t v q " q t i c p k * u c u " " 0 c " r R y t t d " h k u c e g c m w o w n c p " p a f t f l g " u t a f l m q x 2 " x q f { " r n c v " u v g l p a

U v c p q x g p " q d l g o w " p a f t f l

Q d l g o " p a f t f l g " p c " f g - q x q w l r t q x q | p " x q f w " u g " | p c " 3 6 " c f l " 4 3 " f q p d l o g " o R w " k p " a u f v t c f l p g q " x p g c p " f " g - q a x x q c w j l w r . t " q l x g q " | c n 2 x a p . " m t q r g p " c " A m n k f " u g " p g o A v x u c " j " w r " t x q { x w a f f k v budovy v r t d j w " 3 6 " c f l " j a n 3 v " r f t p e e " q * m d f e f j " R f t p g g " p e t j q " f c k r p q p f 0 " + f je tak zpravidla g m q p q o k e m { " x j q f p 3 a . " " p e a q f f l t " f i r " o g g f | u k v " c 5 x " w c l f l g " " 6 p a 3 7 " v k u 0 g v m p 0 " " r X g k - v p . x " q f e " " f | q g " p " d | p x c q " f w g t w r f l a k p a f q r n q x a p " " x r q c f f { " m w p " g f u d u v l c n v q x 2 " x q f * p c r k - 0 p q U T C K P O C U V G T + " l g p " c r " c r n q " f l " q r g p d f " e | g g n p 2 " . u ' g x u v g c v x p { " " | o c q p v 4 5 v k u 0 g M c ' 0 x ' E g v p " u v c x g d p e j " r t c e " c " k p u v c n c e g 3 2 2 " v 0 k " u R 0 " k M ' u x 2 r q o q r e p | 2 | " p k k p x u v e c j n " c r e q k f " o c " p x n a e j " u g " p c f l j ' m f p q n g o m e e c " 8 2 " v k u 0 " M 0 "

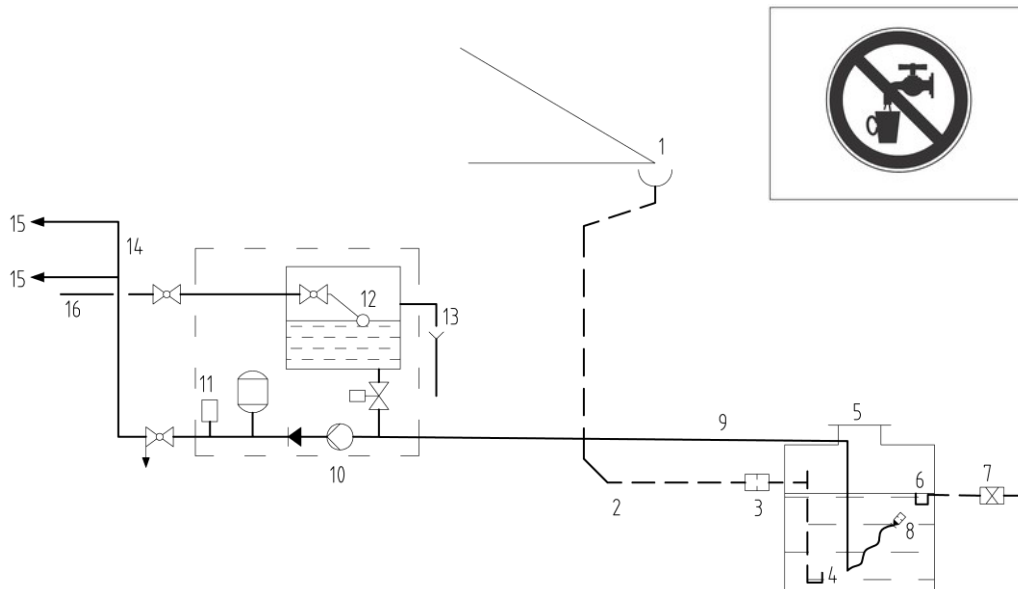
F g - q x a " x p k v q f l k " f n c x p m c l n " k p | c c " o p g a " f c t " f l r g " p c " f g - q x a

F g - x q p x k a v p " m c p c f l g + c a g " a g " q m n e f b " e j " c " u x q f p u t a f l m q x 2 " x q f { " f q " | c " | g p " r t q " e k - j v q " p r " g c d " { l v g o vodu z l o m { " f q " x u c m q x c e " j q " | c " | g p . " f g - q x 2 " p g v x q g p c " d w " r q f | g o p " p a f t f l " w o " u v p q w " x p " c podlaze v u w v g t 2 p w " d w f q x { 0 " R q m w f " x t q d e g " p g u v e p d x f " f l l k p e c v m f o . g " - u o v w q u p " W d w x q f k w " q r c v g p c " w | c x " t c v g n p o " x u v w r p o " q v x q t g o . " r " r g n k x g o " c " x { r q w " - w | c e x " p o t " c r e q l v " t o w t d a l c o v " w t q d " w p " c p ' c f r g q - l g o x p k v p " m c p c n k | c e w v d u c e k l e m i 2 r " q w n t o v n d q l x o 2 " f q g t r c e " g t r c f n g o . " x v t c e " o " r q d i n y t w d " o . " c " r q r 0 " u n g f q x R q m w f " x t q d e g " p g u v c p q x " l k p w m " u o w m " d q f " p g f budovy q r c v g p c " w | c x " t c v g n p o " x q u v v t w r d p " o o " " f q g v - x q q t x g 2 o d g | r g p q u v p " o " r g n k x g o " p c r q l g p o " r " o o q " p c " f g c w v q o c v k e m 2 " v n c m q x 2 " g t r c e " u v c p k e g " p g d q " r q x { r q w - v e " o " r q v t w d " o " u " w | q x p l a b e g l - c q x o q w w x m k v p c " u n g f q x n y . R q o v " t j w d " f r t q " r " x q f " f g - q f l x g 2 " " q x r q c f v { " w f l q w m n k f p p o " r " v q m w 0 "



J n c x p " " a u v k / f u / e u / v' z g w p (AS-RAINMASTER), 2 - f q r n q x " a p " r k v o d y, 28 - h k n v t c p " | a d y (AS-PRORAIN) [21] t " a f l m q x 2 " x

Obr. 9: R " m n c f " g - g p " f m c q e x j { e e j g" p x " q " f c" " * x x { " w e f l g k" v p " c " " u y t y " y



1 - u v g - p " r" q l w t c v d. " " 4 f" g - o f i l t r, 4 o m c n p n c k n f k p / c p e g ". r" 5 " v q m " f q k o l e n a u d n a), 5 o p " a f t f l " p c " f g - q x q o w r " * g p r g r f k' v u p g q' w / + " r x c q e f j w q . x " q d * r q m w f " l g " p c r q l g p " o r j r " o p " a p' a ' t m a p w r t k | . c' d l g + " p w g ' p " a n a k a n a l i z a c i, 8 o u c e " r m c q - x " a m g n o u' a c m u t u f o n, 9 v o u c e " r q v t w d " f * p g r k v p 2 e c w q q f c v k e m " a " v n c m q x o v h c n g q x c e " u y " u p c p k p q x n " a f " a p " g p r' d f i f l e n c " 3 4 " q " p f 2 q" r x q r f n k q " x p l " n " q x k o " x g p a g n g m v t q o c i p g v k e m o " x g p v h n g w " p f " u k p e p l " o x' x v q q v n t + w . 13 o r g r c f g' u w - g p " o " * o t q i p x q' f x " n t q i x o q x " p w " q " h x q q x f 2 " . c " t 3 o 7 c " r t q x q | p " o r x q f h f " 3 & v p 2 " x q f { 0 R q | p " o m c < " C w v q o c v k e m " a " v n c m q x " a " g t f a d l n h u v o p i d o r n q x " a p " r k v p 2 " x q f { " * 3 4 + 0 " \ c " / g p " u g " f q f " a x

Obr. 10: \ c " | g p " r t q " x { f w q l r k n v " q " x f a g p - " o q r x r 2 k " x k p } e f v { q " d u f {

— u r q x { w f l k v } o " u t " a f l m q x 2 " x q f {

V c d 0 " 5 < " O q s g n q m w h u k } w c e g x q | p } e j " p a m n c f " c " p a
j q u r q f c g - g p q } x' u o k " x q f c o k

	" u r q v g d { " t q	U r n c e j q x a } } v q x t e o
— g n	r t c p } . " u o s a b y e j	u r n c e } 5 q o s o b p } "
Cena	100 2 2 2 " M	300 2 2 2 " M
Plocha u v g e	min. 120 m ²	min. 400 m ²
Realizace	3 6 " f p }	5 2 " f p }
Provoz p } " p a	3 7 2 " M " 1 " t q m	4 2 2 2 " M " 1 " t q m
P a x t c v p q	13 let	11 let
f i k x q v p q u	30 let	30 let

R q | p k Tab. 3:

- ceny jsou u v c p q x g p { " f n g " pspol } r.f.mó { } g h f p t o' { u } g C U K' Q n q d m k p c
AS-REWA * p a f t f l " p c " f g - - P U R A d N w * h k q n f w t + ". f g C - U q - x 2 " x q f
RAINMASTER * r n p " c w v q o c v k e m a " r t q x q | p } " c " o q p k v q t q
c " u " k p v g i t q x c p o " c w v q o c) y k e m o " f q r n q x a p } o " r k
- p k " x r q v w " u g v' } g } p } j " a m g a u k' e g " a j r " v q c n g v a e j 0
- v q r v k o a n p } e j " r q f o } p m a e j " c " r k " u f x a 2 " r u p o } q f e k p v 2 " " d k f
polovinu . " e q f l " x g " x u n g f m w " | m t c e w l g " k " f q d w " p a x t c v

X { w f l k v } " q d l g m v " J F X " k " r t q " | a u q d q x a p } " d w f q x " r

F } m { " t g n c v k w o p y z } k g } g h p " e j p x q f q x q f " x { e j a | } " q d
| c } | g p } " p c " x { w f l k v } " u t e m f q m q x o " e 4 j 2 " " x t q q f m " p + g . x " c j " q v f o p
x { w f l k v } " u t a f l m q x e j " x q f " l g " q d a f g n g } j f c p r a " u n q d b g d
f l k w p } " r t q p u - v } " g u f r } q v " o g g d n q w " " V r u t c p e } c e u j p " q r u t v a k - " x v b d w f l k v } "
r q f r q k n c " k " r q x k p p q u v " g - k v " J F X f u v v ' c p v q x " l e g j " " u
q f x a f p } " u t a f l m q o j e n o s j } g x d e j } d c n f w w f g ' w d f } . l } j j c h l g p " m q
f c n - x } o w f l k v } . " r t q v q f l g " u m n c f q x a p } " u t f f l m } k g p } "
u { u v 2 o w " p c " x { w f l k w } j } q v d f l e n v q v x 2 q e f j w " " r x w d f n 0 k ' m c e k " j q u
u t a f l m q x o k " x q f c o k f c q + } e j p d m c q k v q d p e j k " x

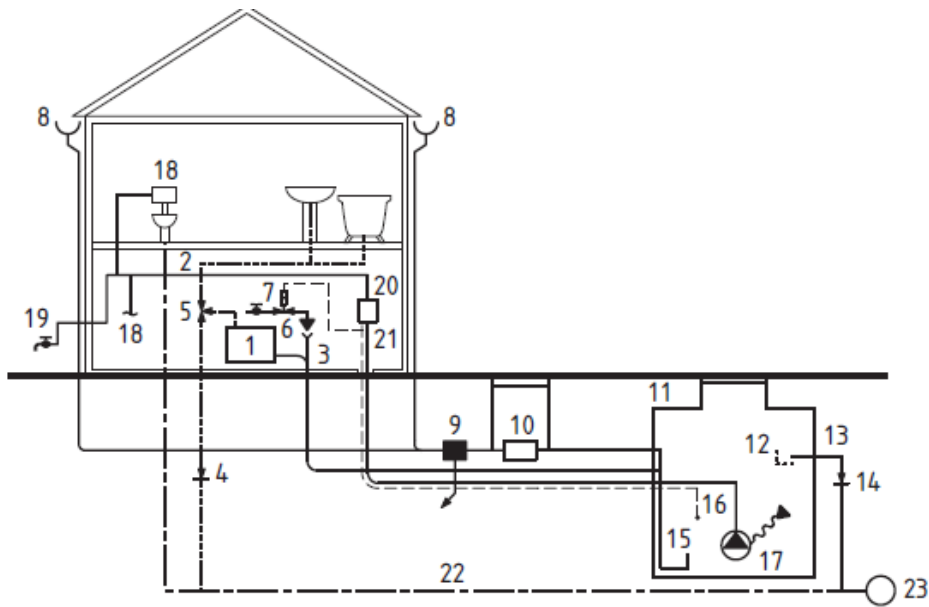
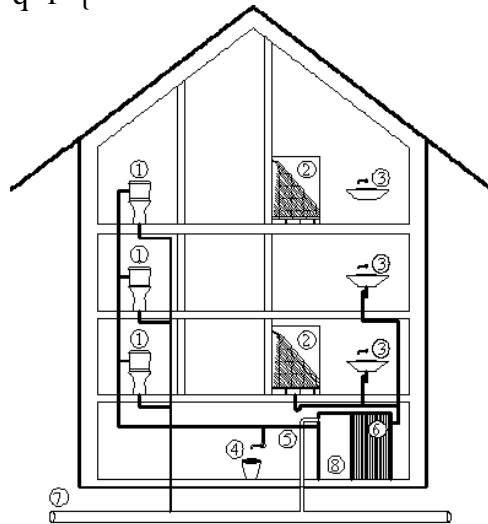
X { w f l k v } " u t a f l m q x k v p q f { " l c m q " x q f {

X { w f l k v } " u t a f l m q x 2 " l x g q " f f { c " n l - c } m q d d x f l a p q { u | v e . k n p 2 ' | d c x k v
x g g l p 2 o " x q f q x q f w o q " o . g - f l g g p " } u " g u " r r q } } o x q a " " r x q f " r } u n
p c k p u v c n w l g " | c } | g p } . " m f c t q t' w c j d t e p d r w e g " } r ' q d f c f m q g u | v
t g x g t | p } " q u d w X | " w n " c u o r r q q l w g " p c q " w o " g u e j c p k e m q w " r } g f h k n v
x q f { . " c n g " | r t c x k f n c " d { " v z e n s q x i u k n c p x c } e l } g p } " g d t g
a U V n c o r q w " o n q " 0 0 0 v M v 0 " q X n q n x i g f p 3 q 2 p 3 j g q p " } | c l g } | c u k " 7
a r t q f w m e g " e e c " 9 " n l j . " r k g o f l " | a n g f l } " p o c " v { r w
x j q f p q u v " x { e j e g p } w | " g " c u r t q d x g p } p } p " c u " x g g l p " x q f q x
x n c u v p q u v } . " r q m w f " d { " x , q c f " c v q o d " n l c c } m d q " v r " k r v q p w a f l " } x x q a f p
o q f l p 2 " l g - v " f q r n p p } " | c , e } q " g p } o v o k p p g a g i d l a j e " d { \ l k
x - e m d " r q m t { v } " r q v l g d f " p n q k f f w u - m - p } j a " q r w ' q n t ' g i o x k p p l g l u - o } m p } e j

R q | p ^a Tab. 5: " m

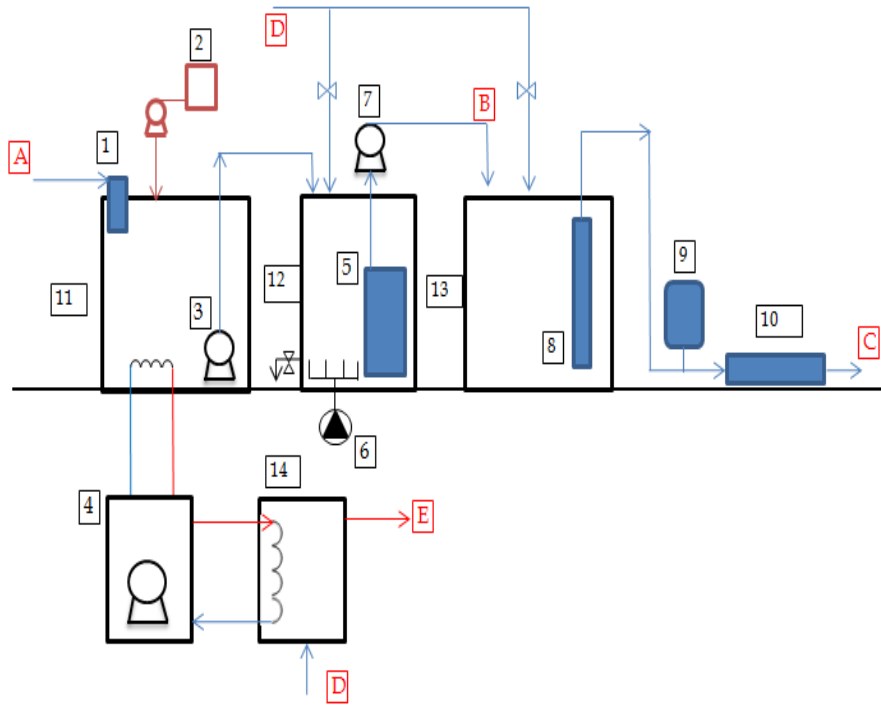
- a) R q m w f " d { " x q f d 'g d k p c " n q w f k j v d 'c x t c f a e j . " o n { " v e j v q " r n q f k p u m { g p w v q w f k d q o c v g n o " ; f q r q t v o f m n c f p ² o k q p z v q x + 0
- b) š E g n m q x ² " m q n k h q t o p q " d c m v g t k g o " l g " w m c | c v g n

R q " u v t ^a p e g " g m q p q o k e m ² " l g " | g l o ² . " f l g " v p q o l " x v - u { u v ² o " u g " u q w c u p o " x { w f l k v q o " u v e l m f q m d ' x o q e l j p " q x w d ' u r q v g d q w T d q p ² e n q o d k p c e g j h g f g o g p c " o q u f p q " u q f p c m w r q x [7][8]. " x q f { "



R q | p ^a o m / c < " q 3 / " g p q " p c " o u k q m g p q " x q f i w o w b c e g " x { k - v vod, 18 o W C a 19 o | f t q l " w f l k v m q x ² " q x r q c f f { p " p " c o " { / v c q n " ² c x w ^a v p q q / o . q " d r k n

Obr. 12: U e q e " x { w f l k v q " u t ^a f l m n q ^a x | g e j u " m c ² o - R D r f [7] , [8] q " | x w q " f c " x "



- Legenda:**
- 1 ... jemné síto
 - 2 ... dávkování NaOH
 - 3 ... přečerpávání šedé vody do reaktoru
 - 4 ... tepelné čerpadlo
 - 5 ... membránový modul
 - 6 ... dmýchadlo
 - 7 ... čerpadlo permeátu
 - 8 ... ponorné čerpadlo ATS
 - 9 ... membránová tlaková nádoba
 - 10 ... UV lampa
 - 11 ... vyrovnávací nádrž šedých vod
 - 12 ... reakční nádrž
 - 13 ... akumulační nádrž vycištěné vody
 - 14 ... zásobník TUV
 - 15 ... tepelný výměník
- A ... šedá voda
 B ... permeát
 C ... vycištěná šedá voda do spotřebiště
 D ... pitná voda
 E ... teplá užitková voda (TUV)

Obr. 13: U e j 2 o c " w u r q a f a p " j l ' c x q f l ' g p " | " p nich [9] k a - p " p " g' r

V u q w c u p q u v k " u g " p g l c u v o l k " " u r g q w MBR reaktor " è j | p q n
 a | c " | g p " d e s i n e k c i " V o k p w n q u v k " d { n { " r q w f l " x a p { " u { u
 s x n q f l g p o " r n q x q w e " o " p q u k k p g h o g + m e " r " u q n a q x e " p " W X h " v t



Obr. 14: X { w f l k v " étchologiej O' D d T f "" * | c x { w | f l g k p v " " ou " o g o d t a p " x { f l c f q x c n q " c u k " r q n q x k p " [9] . t q u v q t + " * D g t

F k o g p / q x ^ p ¶ "p c ^ m f w t o f l w ¶ n" c c " p r ¶ q e u j q ' w / g p ¶ " x { w f l k v ¶ " - g .

R k " p ^ a x t j w " | c ¶ | g p ¶ " r t q " x { w f l k v ¶ " - g f ^ 2 " x q f { " l g
 f k o g p | q x ^ a p ¶ " u r q ¶ x ^ a " x g " u (w i z c T p b q 2) . g " p r ¶ t " q r f q w m e g g d " { - " g r f t ^ 2
 f k o g p | q x ^ a p ¶ " q d l g o - g ' f c ¶ m ' w p g y d ¶ " p c ¶ " q r p q u f q t w ¶ | g g x p q ¶ f " { x " { w f l
 vody. P ^ a f t f l " r t q " - g f q w " x q - f 3 w " f u k g o " g p ^ a | " q x ¶ f v n' g p " c D U f " g p p ¶ 4 ¶ 7
 vody [8].

R t q f w m e g " - g f ^ 2 " x q f {

R t q f w m e g " - f g q f o ^ 2 ^ a " e x p q u f u { v " g x j % " a v k m p ¶ p " g e e p ¶ e j " d w % f q x ^ a e j
 z e g n m q x ^ 2 " r t q f w m e g " q f r c f p ¶ e j " x q f 0 " O p q f l u v x ¶ " x |
 vzniku od 57 do 111 l / (E O . d e n) ó r t q " f q o ^ a e p q u v k ". [8] p [8] v ¶ " u r ¶ - g " p k f l

R ¶ m n c f { " x { w p t a k i v ¶ " - g f e j " x q f " x

1) T q f k p p ó x " { f w f l d k " v ¶ " - g f e j " x q f " r t q " : " q u q d

R t k p e k r " v g e j p q n q i k g " * k - v p ¶ " q f r c f p ¶ e j " x q f +
 R g f k - v p ^ a " - g f ^ a " d x k q q f n c q " i l k g e " m c ^ 2 m o w " o t w g n c q m x v ^ a q p t a w A S x " m f g " l
 G W / C S W C N Q Q R " 8 0 " E g n ^ a " p ^ a f t f l " l g " p c r q l g p c " p c " j c x
 f q " f t w j ^ 2 " o ¶ u v p q u v k . " m f g " f l g u " q w u ' q q d u ^ a c t | p g c p " { x ' { f x k - " v
 a f g - q x ^ 2 " x q f { 0 " \ g " | ^ a u q d p ¶ " p ^ a f t f l g " l g " x q f c "
 s r n c e j q x ^ a p ¶ 0 "

P ^ a x t j q x ^ 2 " r c t c o g v t {
 O p q f l u v x ¶ " x q f 0 { 4 m ^ 3 / d "
 O c z k o ^ a n p ¶ " f g 0 p m ^ 3 / d " " p ^ a v q m < "

\ ^ a m n c f p ¶ " À f c l		
O p q f l u v x ¶ " x q f	0,4	m ³ /den
K p u v c n q x c p "	0,2	kW
E j q f " k u v ¶ t p	360	den/rok
G n g m v t k e m ^ a " g p		
F g p p ¶ " u r q v g	0,36	kWh
T q p ¶ " u r q v g	130	kWh
E g p c " g n g m v t k e	4,0	M 1 m
Cena el. energie	518	M 1 t
T g i g p g t c e g " O D	2	t q
Cena	1 000	M 1 t
R q v g d c " r t c e q	5	hod/rok
P ^ a m n c f { " r t c e	500	M 1 t
E g n m q x ^ 2 " r t q x q	2 018	M /rok
E g p c " x { k - v	14	M ě
kWh/m ³	0,90	kWh/m ³



K p x g u v k p " p a	70 000	M
E g p c " x q f { " x g	77,65	M ĩ
—u r q t c " x q f {	144	m ³ /rok
—u r q t c " c " x q f	11 182	M 1
R t q x q p " p a m n	2 018	M 1
—u r q p ě ě n c f { "	9 163	M 1 t
R t q u v a " f q d c " p	7,64	t q m

Obr. 15 (vpravo): H q v q i t c h k e m a t" g f c q m k w | o c g e p g v " c | e c g " " | g p " r t q " x
v t q f k p p ² o " f q o [21]" * r t q " : " q u q d +

2) TM m q n u m ² " x / f D f p c e " e g p v t w o " x

Princip technologie

R g f k - v p a " - g f a " d x k q q f n c q " i l k g e " m c ² m o w " o t w g n c q n x v : q p t a w " f o q q " o q f l d l g
w o " u v p c A S x G W / C v S o W x C d N o " Q R " 8 0 " E g n a " p a f t f l " l g " p c r q l
X { k - v p a " x q f c " l g " g t r a p c " f q " p a f x t q f g w " q l " g q " d o l q g f o p
f q r n q x c v " x q f q w " f g - q x q w " p c " | x a q m f n { c " f l g " " x w o - " m u { v " j p
objektu a x q f c " l g " r q w f l " x a p c " k " p c " | a x n c j w " ß . g n g p 0 " Q
X { k - v p a " x q f c " * r " r c f p " f q r o u p A S - R A I N M A S T E R q x a " x
G e q " 3 6 " f q " t q | x q f w " w f l k v m q x ² " x q f { 0 " F - c n - " o
T C K P O C U V G T " G e q " 3 6 " r k v p q w " x q f q w " f n g " G P " 3 9 3 9 " r

\ a m n c f p " Ā f c l		
O p q f l u v x " x q f	0,6	m ³ /den
K p u v c n q x c p "	0,3	kW
E j q f " k u v " t p	360	den/rok
G n g m v t k e m a " g p		
F g p p " u r q v g	0,66	kWh
T q p " u r q v g	238	kWh
E g p c " g n g m v t k e	4,0	M 1 m
Cena el. energie	950	M 1
Rege p g t c e g " O D T "	2,0	t q
Cena	1 000	M 1
R q v g d c " r t c e q	5	hod/rok
P a m ě ě f t c e 0 " u	500	M 1
E g n m q x ² " r t q x q	2 450	M 1 t
E g p c " x { k - v	11	M ĩ
kWh/m ³	1,10	kWh/m ³

K p x g u v k p " p a	99 000	M
E g p c " x q f { " x g	77,65	M ĩ
—u r q t c " x q f {	216	m ³ /rok
—u r q t c " c " x q f	16 772	M k

