

## Rain and greenhouse water treatment Lebenshilfe Witten e.V., Witten, Germany „We no longer want to be without “



**Irrigation water pond treatment  
Witten  
Lebenshilfe Witten e.V.  
<http://www.sovd-lebenshilfe.de/sovdstartseite/lebenshilfe-witten-e.v.>**

**Operation  
Irrigation water pond approx. 450 m<sup>3</sup> with  
OLOID Type 200**

**Period  
Since 2008**

**Success  
No more drinking water for irrigation and  
ice free in winter**

**Cleaning the irrigation system only every 3  
years**

From the website:

Lebenshilfe Witten e.V., founded in 1960 as a parent initiative provides people with intellectual and multiple disabilities assistance and support on the way to a self-determined life. Along the lifeline it first occurs in early intervention and in a special education and an inclusive kindergarten. In the areas of work, living and leisure, a workshop, two homes and the Family Support Services are available to impart life content and tasks. For some time, Lebenshilfe also offers the possibility of ambulatory assisted living.

The family centre with its manifold tasks completes the offer.

The facility Lebenshilfe Witten e.V. serves about 300 people with disabilities, has larger workshops necessary for the industry e.g. for packaging, as well as a nursery that has just discovered the business with wintering of plants and keeps the irrigation water pond clean with an OLOID Type 200, as a side effect it is free of ice in winter. In addition, the facility must not use drinking water for irrigation of the greenhouses and annually saves a lot of money and the cleaning and maintenance intervals of the irrigation system have been reduced.



**Mr. Weßner** responsible for resource management describes the water cycle:

"The rain of the greenhouses is collected, brought to bay via a large underground pipe, there is a large pump that brings the water over the pond crown, out it goes over 2 suction lines to the plant irrigation system. The OLOID keeps the water in a state that we can irrigate without the foul or musty smells, furthermore it keeps the pond ice free (side effect). We call the pal: Isegrim "

**Mr. Valdinoci (inversion technique):** The investment amounted to 5.000 € and it seemed to 7 years ago pretty much, you made it anyway and now the question is rather: How durable is the OLOID and the costs incurred in the service? How do you evaluate this today?

**Mr. Weßner:** "It has paid for itself a hundredfold, because I have less maintenance and cleaning intervals for the pond (mud and algae removal), have the advantage that when the pond was tipped earlier, I could not pour this water was dependent on drinking water and because the counter rotates, that costs money. We now absolutely don't use drinking water, even in summer there has always been enough rainfall and clean water. The casting plant, we now only have to clean every 3 years (hardly any deposits). This is actually the secret of the pal. It is difficult to explain more. We are confident and we no longer want to be without."

**Valdinoci:** What happens to the water-surplus?

**Weßner:** "If there is no water usage, it flows into the creek and into the biotope and when those are filled behind into a seepage area. Thus, we hardly pay sewage charges, this adds up to the bill because in sealed areas, this fee must be paid otherwise. In summer, the biotope is a small paradise of biodiversity. There you will find a variety of different newt types, I know that even from my childhood and I am myself an anglers, those populations are extremely rare. A sign that the water is of high quality."

**Valdinoci:** You are technician, how do you explain the fact that such a device, with the low wattage has such an effect in this basin (about 15 x 6 x 5 metres)?

**Weßner:** "I have already asked myself this question. It works like magic, mainly because it keeps all the water in motion and indeed throughout the entire basin. Fascinating."

Thank you very much.  
Andrea Valdinoci