



Treatment plant was designed by HACO Hydrogeologi og avlopskompetanse AS (www.haco.no)

Upper Uvdal wastewater treatment plant – Filter bed

The treatment plant is built in Nore and Uvdal municipal in Norway. Uvdal ski resort, some houses and several hundred holiday homes are connected to the treatment plant. This gives a dimensioning flow of: $Q_{dim} = 360 \text{ m}^3/\text{day}$, a total of 2000 pe.

The plant is designed as a traditional chemical and biological treatment plant, as a polishing step the effluent is going thru a filter bed with Filtralite before it is discharged into a small creek. The filter bed with Filtralite gives low and stable discharge levels.

After 3 years of operation the treatment plant removes 99 % of the phosphorus, which gives a discharge concentration on 0,06 mg/l.

“ To improve Phosphorus removal, Filtralite® Nature P products were included when designing the treatment plant for resort, some houses and several hundred holiday homes at Nore and Uvdal municipalities [NO]. “

THE FACTS:

Filter media used in this plant	
1000 m3	Filtralite® P 0-4 mm
100 m3	Filtralite® NR 4-10 mm
100 m3	Filtralite® NR 10-20 mm