

PWG

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POLLET WATER GROUP

Bayoxide E33

General information

In this simple pump-and-treat adsorption system, the contaminated water passes through a robust granular ferric oxide media, Bayoxide®E33, developed exclusively for Severn Trent and Pollet Water Group by Bayer AG. As the water passes through the media, the arsenic is adsorbed and removed to a level below the European Community and World Health Organisation drinking water standard of 10 micrograms per litre ($\mu\text{g/l}$).

The dry, crystalline media was designed with a high capacity for arsenic, providing long operating cycles and low operating costs. The exhausted media is non-hazardous and can be sent to a landfill, passing TCLP requirements.

To keep your costs even lower, the installations with Bayoxide E33 requires no cleaning, no regeneration and no complex, labour-intensive steps.

You can depend on Suko as your supplier of adsorptive media or as your partner in building and maintaining a customized arsenic removal solution for your operation. Either way, Bayoxide E33 is the simple solution and the simple decision.

Technical information

Service flow: max. 20m/h

Backwash time: 10 bv

Empty Bed Contact Time: 3 min.

Fast rinse time: 4 bv

Backwash flow: 25m/h

Backwash frequency: 14-28 days

Bed expansion: 40%

Requested raw water condition:

Iron: < 200 $\mu\text{g/l}$

pH: 6,5 - 8,5

Manganese: < 50 $\mu\text{g/l}$

SiO₂: < 40 mg/l

Suspended Solids: < 10mg/l

PO₄: < 200 $\mu\text{g/l}$

Water outside the above must be treated with a pre-treatment.

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