

Customer / Address :

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**Application: Treatment of Waste Water containing Nitrate**

**Quantity of waste water:** ..... m<sup>3</sup>/h

- continious                       discontinuous

**Actual waste water treatment process (current state):**

- heavy metal removal                       neutralization stage  
 final filtration                               storage tank, homogenization tank, etc.  
 at present no waste water treatment  
 external waste management

**Waste water analysis:** (units ppm, mg/l, ppm CaCO<sub>3</sub>, meq/l)

<b>pH-range</b>	
<b>temperature</b>	<b>°C</b>
<b>conductivity</b>	<b>µScm<sup>-1</sup></b>
<b>total hardness</b>	<b>°dH</b>
<b>calcium</b>	<b>ppm</b>
<b>magnesium</b>	<b>ppm</b>
<b>potassium</b>	<b>ppm</b>
<b>sodium</b>	<b>ppm</b>
<b>ammonium</b>	<b>ppm</b>
<b>strontium</b>	<b>ppm</b>
<b>barium</b>	<b>ppm</b>
<b>iron (2+)</b>	<b>ppm</b>
<b>iron (total)</b>	<b>ppm</b>
<b>manganese</b>	<b>ppm</b>
<b>aluminium</b>	<b>ppm</b>
<b>copper</b>	<b>ppm</b>
<b>zinc</b>	<b>ppm</b>

<b>fluoride</b>	<b>ppm</b>
<b>chloride</b>	<b>ppm</b>
<b>SiO<sub>2</sub> (soluble)</b>	<b>ppm</b>
<b>SiO<sub>2</sub> (solid)</b>	<b>ppm</b>
<b>hydrocarbonate</b>	<b>ppm</b>
<b>carbonate</b>	<b>ppm</b>
<b>free CO<sub>2</sub></b>	<b>ppm</b>
<b>nitrate</b>	<b>ppm</b>
<b>sulfate</b>	<b>ppm</b>
<b>settleable solids</b>	<b>mg/l</b>
<b>free chlorine</b>	<b>ppm</b>
<b>TDS</b>	<b>ppm</b>
<b>TOC</b>	<b>ppm</b>
<b>BOD</b>	<b>ppm</b>
<b>turbidity</b>	<b>NTU</b>
<b>SDI</b>	

**Demands to the waste water treatment respectively the water reclamation:  
(e.g. compliance with official prescriptive limits, purity of product, a.s.o.)**

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**Available infrastructure: (e.g. energies like current, cooling water, compressed air, a.s.o.)**

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**Remarks (e.g. special requirements like explosive range, components, availability, a.s.o.):**

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