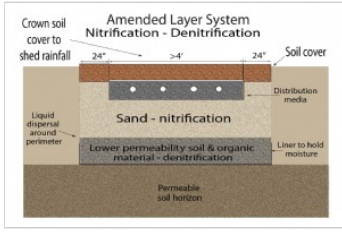


**nitrification**

Biological oxidation of ammonium ( $\text{NH}_4^+$ ) to nitrite ( $\text{NO}_2^-$ ) and nitrate ( $\text{NO}_3^-$ ), or a biologically induced increase in the oxidation state of nitrogen.

*nitrification images/graphics:*



**Amended layer system nitrification and denitrification**

Construction detail for amended layer system with media for nitrification and denitrification, cross section view