

The Effect of Nickel on Thermophilic Bacteria

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Abstract:

A pilot project came to a halt due to the inhibition to thermophilic biological activity from soluble Nickel in the waste stream. A discussion of the thermophilic activated sludge wastewater treatment process will be given. Operating data concerning the startup condition, the acclimation of reactor data over time, the OUR, SOUR and COD reduction rate will be presented up to the point of failure. The process otherwise is an excellent technology of choice as far as COD removal efficiency, shock loading withstand-ability and low yielding of resulting sludge.

References

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