

SUSTAINABILITY ALERT



Title: TREATED WASTE WATER REUSED



Dutco Balfour Beatty has setup a waste water treatment plant to reuse the sewage water that's generated by our labour camps. The treated sewage water is used for dust control & to water trees & plants growing on our premises. The water is also used by our plant department who have installed a recirculation system with filters which allows the water to be reused over & over again. This unique venture has resulted in major savings in our overall water consumption.

Savings Calculation: A major saving in our DEWA bills has been made as overall water consumption is being reduced.

Consider the positive effects of having vegetation around site for the occupants, that it is a natural method of dust control and plants reduce the temperature in the area, creating a nicer living environment for the camp. This covers the social benefits in addition to environmental and cost. Careful consideration of the category of waste water (quality and filtration procedures) needs to be considered when setting up this type of system. It can be troublesome to implement a waste water treatment plant. The parameters for a site based system can be difficult to achieve if the waste is not diluted enough. Clarify what the plant dept. does with water reusing i.e. is the water used for chilling plant, cooling towers, grey water flushing?

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