

# PROJECT FILE



## Wastewater Solutions

Client	NSW Regional Council
Ref	Sludge W
Sewage Treatment Process	Sequence Batch reactor, WAS transferred to sludge storage ponds then drying beds
Est daily flow (DWF)	2,200,000L, 12,000EP.
WAS/day	16kL per day wasted to lagoons, MLSS 2,800mg/L
Issues	Sludge storage ponds full resulting in poor quality supernate return to inlet. Drying beds full due to rainfall.
Works installed	Installation of For Earth low energy aeration system and bacteria dosing system
Install Date	August 2009
Description	SBR - Client was able to reduce sludge transfer to drying beds by 54% and over the period of 6 months obtained a buffer in the sludge storage lagoons. Client also cancelled a planned \$1.5M centrifuge system. System still in operation and achieving considerable sludge reduction within the ponds resulting in significant cost savings. See Conference paper for complete details.



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