



ASR Tratamiento de agua de tormenta

Industry

Country	Australia
Application	Urban storm-water collection during winter and stored at an aquifer for irrigation and dual reticulation purposes
Flow rate	90 m³/h
Water source	Urban Stormwater
Filtration degree	EBS + AMF 370K at 3 micron
Inlet Water Description	Urban stormwater that has been pre-treated by a gross pollutant trap, sedimentation pond and Macrophyte Zone. Contain debris, litter or plant matter. Maximum Suspended solids 40 ppm (median SS <22 ppm)
Filtration Requirement	Suitable for injection to a fractured rock aquifer. I.e. Average SS ≤10 ppm Maximum SS ≤20 ppm. Average Turbidity ≤10 NTU
Results	By the end of 2012 plant was successfully commissioned.
Installation date	2012





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Client	Guidera O'connor
Application	Stormwater collection and injection to ASR
Flow rate	108 m ³ /h to Amiad Plant
Water source	Brownhill Creek (Stormwater collection) – Wetland - Amiad Plant. Stormwater collection into a creek (Brownhill Creek), water flow through wetland and divert to Amiad Plant and in parallel to bio-filter. Then buffer tank and then injecting to Aquifer and use for irrigation
Inlet Water Description	Feed water at maximum 15 NTU
Filtration Requirement	< 3 NTU (98% of the time) < 2 NTU (90% of the time) Continuous Turbidity measurement
Filtration solution	Coagulation (By others) follow by Amiad 8 x 1500mm Deep Media Filtration system, Include assembly and associated equipment & Exclude controller
Installation date	Present - Under construction Commission is estimated during June/2013



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Client	Waternish
Application	Stormwater collection and injection to ASR
Flow rate	180 m ³ /h
Water source	rain water harvesting
Inlet Water Description	High in suspended solids and inlet Turbidity is at maximum 30 NTU
Filtration Requirement	Provide reduction of Suspended solids, less than 20mg/L & less than 20 NTU
Filtration solution	Amiad "MCFM" 12000 with a 50 micron screen follow by 4 x Deep bed Media filter 1200mmDIA (filled with Nextsand Media)
Installation date	Commissioned 2012

Project	ASR – Stormwater Treatment at Playford –Pilot
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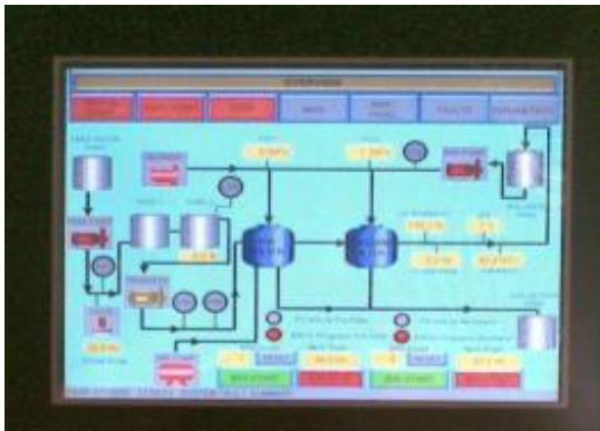
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Client	Tea Tree Gully (CTTG) Council's
Application	Stormwater that will be extracted from the dam every winter to go into aquifer storage for irrigation and dual reticulation purposes
Flow rate	90 m ³ /h (2 MLD)
Water source	Murray River
Inlet Water Description	Elevated levels of TSS, Turbidity & Colour
Filtration Requirement	Water supply to ASR
Filtration solution	The water treatment process consist of coagulation, rapid mixing, slow mixing, retention tank & Progressing Cavity pump, primary media filters to capture the bulk of the suspended particles, secondary media filters to further reduce the turbidity and UV disinfection. Amiad supplied various instruments and PLC with HMI screen.
Installation date	2010, Operation started in 2011

Project

ASR – Stormwater Treatment at Wynn Vale Dam





El proyecto de cosecha de agua de lluvia se puso en marcha en la zona serrana del municipio de El Fuerte, Sinaloa, para que los ganaderos y agricultores enfrenten la temporada de estiaje.

La inversión fue de 200 mil pesos. Se trata de la captación del agua de lluvia recogida en un colector que filtra las impurezas y restos orgánicos y es transportada a través de tuberías por gravedad hasta una bolsa de almacenamiento que tiene una capacidad de embalse hasta de 80 mil litros de agua. Esto es en Tetaroba.

El acto fue presidido por la alcaldesa Nubia Ramos, quien manifestó que el objetivo es resolver el impacto que provoca la sequía en las actividades primarias de la economía. Estuvo presente José Rosas, representante del secretario de Agricultura, Juan Enrique Habermann, quien hizo un llamado a canalizar recursos para ese tipo de proyectos.

Aprovechan agua de lluvia en Sinaloa

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