

COALESCING PLATE SEPARATOR

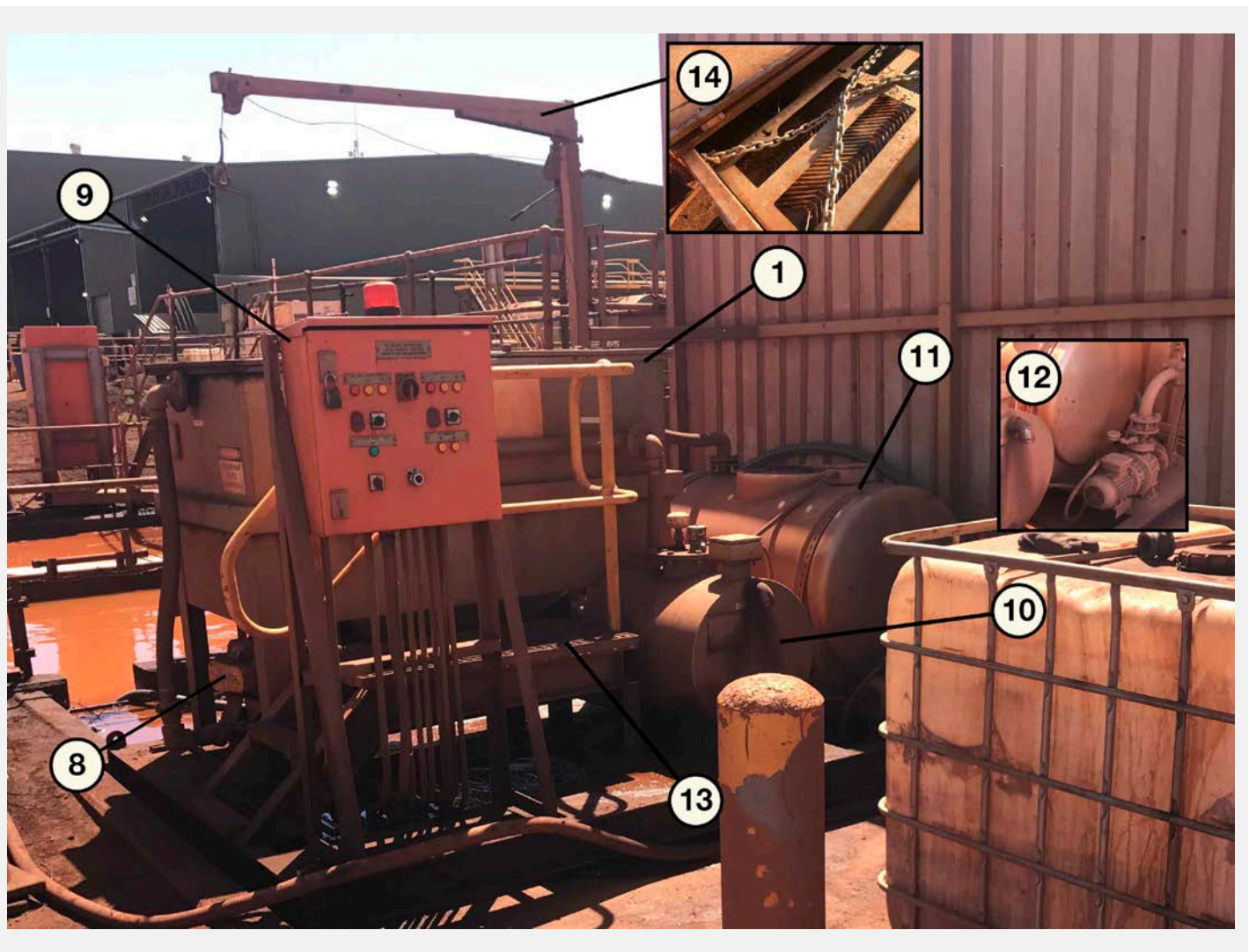
DO YOU HAVE ALL THE EQUIPMENT YOU NEED?



Many clients request quotes for a Coalescing Plate Separator (CPS) for oily water treatment but don't realise they need to request all the items of equipment they will need to successfully operate and maintain the CPS.

Don't make this mistake!

Here is a simple check list to make sure you are not hit with additional costs after installation and to make sure cost comparisons with alternative oily water treatment systems are accurate, as they may already include all the options.



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No.	Item	Description
1	Coalescing Plate Separator (CPS)	The oily water treatment system.
2	Level switches	Level switches are installed in the pit and connected to the CPS control panel.
3	Floating Oil skimmer	Oil Skimmers are used to collect the oil layer from the oily water pit and pump it to the CPS for treatment via the Suction Pump.
4	Skimmer Trash Screen	Trash Screens are installed on the Oil Skimmer to prevent large pieces of trash from being pumped downstream and causing damage to the pump and other equipment.
5	Skimmer hose	Every floating skimmer needs a hose to connect to the suction pump.
7	Suction Pump Debris strainer	A Debris Strainer is installed before the Suction Pump to prevent smaller pieces of debris and trash from damaging the pump and other equipment.
8	Suction Pump	All CPS's need a low oil droplet shear suction pump to pump the oily water from the Oil Skimmer through to the CPS for treatment.
9	Control Panel	Connecting the Level Switch to the Suction Pump, the control panel activates the system as required to avoid the pits from flooding and the pump from running dry.
10	Separated Oil Stream Tank	Separated oil (with some water) must be collected in a Separated Oil Tank. This tank must be purpose built and large enough to prevent frequent collection cycles.
11	Treated Water Balance Tank	Treated water leaves the CPS with gravity flow so a Treated Water Balance Tank is needed to collect and store the treated water before it is pumped to another location.
12	Treated Water Transfer Pump	Treated water leaves the CPS with gravity flow only. A Transfer Pump is used move the water from the balance tank to the location where it will be discharged.
13	Access platform	An Access Platform is required as part of OH&S management as it allows operators to safely clean and service the CPS.
14	Lifting Equipment	When it comes time to clean the plates installed within the CPS, a Lifting Crane and Lifting Chains are needed to lift the plates and move them to the Cleaning Pad.
15	Cleaning Pad	To effectively clean the CPS plates, a concrete pad is needed.
16	High pressure jet washer	High pressure washers are required to properly clean coalescing plate packs.