

Case Study

Customer: Transnet Rail Engineering – Sites Across South Africa

Requirement: Separation of oil from water replacing all poor rope skimmer solutions

Year: 2004-2007

Discharge Source: Sewer

Oil & Grease < 50mg/l



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Due to poor water/oil results and poor recovery of oil there was a definite need to upgrade the effluent plants across Transnet sites.

Transnet were using very ineffective and costly rope skimmers, which also took up a lot of man-power to maintain

Solution

Procon Environmental provided minor civil changes and installed Ultraspin hydro cyclone separators to efficiently remove oil and treat water on various Transnet sites.

Results

Transnet now meet the sewer discharge standards and have a high oil recovery record. By replacing rope skimmers they have also managed to lower operator affliction.

Sentra Rand	2 x 3,5m ³ /h	Lydenburg	3,5m ³ /h
Springs	3,5m ³ /h	Witbank Electrical Depot	3,5m ³ /h
Germiston	7m ³ /h with SRS	Krugersdorp	3,5m ³ /h
Bloemfontein	3,5m ³ /h	Klerksdorp	3,5m ³ /h
Saldanha	3,5m ³ /h	Coligny	3,5m ³ /h
Belville (C.T)	4,5m ³ /h	Rustenburg	3,5m ³ /h
Polokwane	3,5m ³ /h with SRS	Thabazimbi	3,5m ³ /h
Welgedagch	7m ³ /h with SRS	Ermelo	3,5m ³ /h with SRS
Mussina	3,5m ³ /h	Pretoria Pyramid South	3,5m ³ /h
Nelspruit	3,5m ³ /h with SRS	Witbank Diesel Depot	3,5m ³ /h
Komatipoort	3,5m ³ /h	Koedoespoort	7m ³ /h with SRS

Procon Environmental

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We provide Oily Water Treatment, Floating Skimmers and Vehicle Wash Water Reclaim Systems.

Call us for further information on our Ultraspin innovative hydro cyclone designs, separating oil and other contaminants from water while our Mycelx filtration removes 100% of TPH and oil and grease from water.