

# Case Study

**Customer:** Transnet Rail Engineer – Sites Across S.A

**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 where using very ineffective and costly rope skimmers, which also took up allot of man-power to maintain

**Solution**

Procon Environmental provided minor civil changes and installed hydrocyclone 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.

<b>Sentra Rand</b>	2x3,5m <sup>3</sup> /h	<b>Lydenburg</b>	3,5m <sup>3</sup> /h
<b>Springs</b>	3,5m <sup>3</sup> /h	<b>Witbank Electrical Depot</b>	3,5m <sup>3</sup> /h
<b>Germiston</b>	7m <sup>3</sup> /h + SRS	<b>Krugersdorp</b>	3,5m <sup>3</sup> /h
<b>Bloemfontein</b>	3,5m <sup>3</sup> /h	<b>Klerksdorp</b>	3,5m <sup>3</sup> /h
<b>Saldanha</b>	3,5m <sup>3</sup> /h	<b>Coligny</b>	3,5m <sup>3</sup> /h
<b>Bellville (C.T)</b>	4,5m <sup>3</sup> /h	<b>Rustenburg</b>	3,5m <sup>3</sup> /h
<b>Polokwane</b>	3,5m <sup>3</sup> /h+SRS	<b>Thabazimbi</b>	3,5m <sup>3</sup> /h
<b>Welgedagtch</b>	7m <sup>3</sup> /h + SRS	<b>Ermelo</b>	3,5m <sup>3</sup> /h with SRS
<b>Mussina</b>	3,5m <sup>3</sup> /h	<b>Pretoria Pyramid South</b>	3,5m <sup>3</sup> /h
<b>Nelspruit</b>	3,5m <sup>3</sup> /h+SRS	<b>Witbank Diesel Depot</b>	3,5m <sup>3</sup> /h
<b>Komatipoort</b>	3,5m <sup>3</sup> /h	<b>Koedoespoort</b>	7m <sup>3</sup> /h+SRS

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We provide Oily Water Separators, Floating Skimmers, Bioremediation and Fuel Filling Overspill Protection.

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