

Water Sensitive Urban Design

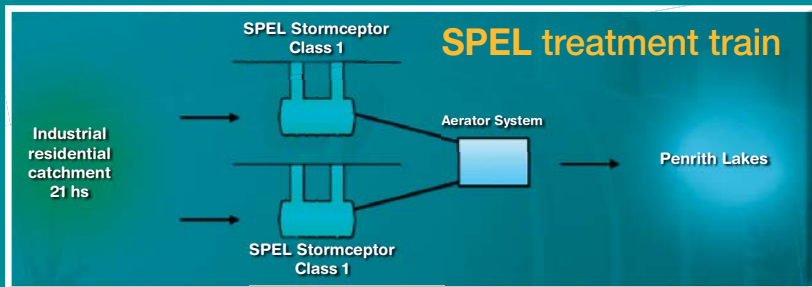
Penrith Lakes, NSW



Independently tested for reducing the average annual loads:

- ✓ 97% total suspended solids (TSS)
- ✓ 100% > 5mm gross pollutant solids (GP)
- ✓ 99.9% light liquids (TPH)
(certified discharge quality of 5PPM or less, European standard BSEN 858 :1 2006)
- ✓ > 40% total phosphorous
- ✓ > 45% total nitrogen
- ✓ > 75% heavy metals

SITE	Lambridge Estate, Penrith NSW
APPLICATION	Industrial and residential subdivision
RISK	Medium
POLLUTANTS	Suspended solids, total phosphorous, total nitrogen, heavy metals. Petroleum hydrocarbons, general litter, silt, road refuse, natural refuse.
SITE AREA	21 hectares
DISCHARGE	Network of natural lakes
UNIT SUPPLIED	1 x Stormceptor™ Model: S.500/515.C1.2C. 1 x Stormceptor™ Model: S.400/750.C1.2C.
T.F.R.	Model: S.500/515.C1.2C. - 2,200 LPS Model: S.400/750.C1.2C. - 1,080 LPS
OPERATION	The Stormceptor's horizontally configured design satisfied the requirements of the high-water table terrain for the subdivision. Independent field testing shows > 97% retention of total suspended solids (TSS), 100% capture > 5mm gross pollutants and substantial reduction in total phosphorous and total nitrogen.



SPEL STORMCEPTOR™ CLASS 1 on site ready to be installed, as part of a treatment train in a Water Sensitive Design project for the Penrith City Council at Lambridge Estate and Penrith Lakes NSW.

SPEL STORMCEPTOR™

THE DISTINCT ADVANTAGE IN WATER TREATMENT