

eco-BITE™ MULTI POLLUTANT TRAP



- The eco-BITE™ by Smartstream Technology is a 'Multi Pollutant Trap' designed to trap and retain gross pollutants, in addition to a range of other storm water pollutants, including fine particulates and hydrocarbons. Acknowledging that the greatest concentrations of storm water pollution may be contained within the frequent low flows and during first flush events, the eco-BITE™ has been developed to ensure that maximum pollutant retention is achieved in both instances, especially for the frequent low flows.
- Individual designs are prepared for each and every eco-BITE™, giving specific consideration to the following criteria;
 - Target pollutants
 - Site details
 - Hydraulic data
 - Required storage capacity
 - Inlet/Outlet levels, sizes, type and configuration
 - Access for future inspection, cleaning, monitoring and maintenance

The eco-BITE™ is supported by its credentials as an environmentally friendly product that offers easy installation and low life cycle costs.

QUALITY
ISO 9001 – 2008.

CLEANING & MAINTENANCE

ECO-BITE MULTI POLLUTANT TRAP



Top view of the eco-BITE™ multi pollutant trap

Access to the traps should allow for vacuum eduction trucks being positioned immediately adjacent to the trap.

Smartstream Technology Multi Pollutant Trap design allows for easy access from the surface via the surface covers circular openings.

All chambers can be easily accessed from the surface with the vacuum truck education hose, thereby minimising clean-out costs.

The eco-BITE™ has no storage chambers that require high pressure jetting out of pollutants trapped in lower chambers, not easily accessible from the surface.

Consequently, maintenance and clean-out costs are controlled and consistent. The lids are designed so that they can not fall into traps.



Trapped pollutants within the eco-BITE™ multi pollutant trap

Company		Print		ENVIROSTREAM PROTECT. CONSULTANTS	
Address				FIELD REPORT	
City	State	Post Code	FIELD REPORT No:		
Contact			Inspection Date:		
Email			Contractor Licence No:		
GPS Co-ordinates					
1.0 STRUCTURE / DRAINAGE FEATURE		(Please tick appropriate box)		Date/Time Field	
1.1 Type of Cover		<input type="checkbox"/> Grated <input type="checkbox"/> Concrete <input type="checkbox"/> 6000 Conc. Lid			
		Other (please describe)			
Lockable		<input type="checkbox"/> Yes <input type="checkbox"/> No			
1.1.3 General Cond.		<input type="checkbox"/> Excellent <input type="checkbox"/> Good <input type="checkbox"/> Fair <input type="checkbox"/> Poor (UNSAFE)			
1.2 Structure Type		<input type="checkbox"/> GPT <input type="checkbox"/> Box <input type="checkbox"/> In/Up <input type="checkbox"/> Outlet Structure <input type="checkbox"/> Manwell <input type="checkbox"/> In/Down <input type="checkbox"/> Box Culvert/road Crossings <input type="checkbox"/> Filtration Cells			
		Other (please describe)			
1.2.1 General Cond.		<input type="checkbox"/> Excellent <input type="checkbox"/> Good <input type="checkbox"/> Fair <input type="checkbox"/> Poor (UNSAFE)			
1.3 DRAINAGE FEATURE		(Please tick appropriate box)			
1.3.1 Type		<input type="checkbox"/> Open Drain <input type="checkbox"/> Creek <input type="checkbox"/> Lake <input type="checkbox"/> River/Estuary			
Water Level		<input type="checkbox"/> Controlled <input type="checkbox"/> Uncontrolled <input type="checkbox"/> Constructed <input type="checkbox"/> Natural			
1.3.2 Hydraulic Inflow		<input type="checkbox"/> Single Inlet <input type="checkbox"/> Multiple Inlets <input type="checkbox"/> Pipe <input type="checkbox"/> Creek/Stream <input type="checkbox"/> Restricted <input type="checkbox"/> Type & Qty _____ <input type="checkbox"/> Clear <input type="checkbox"/> Good <input type="checkbox"/> Fair <input type="checkbox"/> Poor			
Inlet Type/Inlet Cond.					
Bypass / Emergency Overflow		<input type="checkbox"/> No <input type="checkbox"/> Yes Type & Qty _____ Bypassed since last visit?			
1.4 WATER QUALITY		(Please tick appropriate box)		Depth to base _____ mm	
1.4.1 Is there water present?		<input type="checkbox"/> No <input type="checkbox"/> Yes			
1.4.2 Contents		Appearance <input type="checkbox"/> Fair <input type="checkbox"/> Poor <input type="checkbox"/> Excessive Settled Solids <input type="checkbox"/> Low <input type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/> Excessive Litter <input type="checkbox"/> Low <input type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/> Excessive Hydrocarbons <input type="checkbox"/> Low <input type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/> Excessive Organic Matter <input type="checkbox"/> Low <input type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/> Excessive			
General Comments					
MAINTENANCE REQUIRED					
CLEANING			Deadline: _____		
PARTS			Deadline: _____		
ADDITIVES			Deadline: _____		
Reported By (print name): J.H. Wallin			Signature: _____		

Sample field report for monitoring + maintenance of eco-BITE multi pollutant trap

FEATURES & BENEFITS

ECO-BITE MULTI POLLUTANT TRAP



- Single chamber installation for simplified installation
- Low head loss
- Small footprint facilitates installation into tight locations
- Accommodates multiple inlets and/or outlets
- Unique 'V' shaped screen creates a dual vortex effect, creating equal precipitation and reducing blockage
- Ideal for retrofitting into existing pipelines and drains
- Screens can be interchanged with target pollutants
- Modular design allows for addition of further treatment systems downstream, if required
- Optional removable basket for pollutant removal
- Long service life with no moving parts
- Cleaning, maintenance, monitoring, and reporting agreements are available and recommended



PRODUCTS



POO PIT™
PVC MAINTENANCE SHAFT



POO PIT™
PE MAINTENANCE SHAFT



HALF POO PIT
MAINTENANCE SHAFT



J-PIT™
TERMINAL MAINTENANCE



1050mm SMARTPIT™
MANHOLE



POO PIT 600mm
MINI PIT™



ECO BITE GPT
MULTI POLLUTANT TRAP



PE MANHOLE
COVER



PE MAINTENANCE
SHAFT COVER



CUSTOM MOULDING



TRAFFICABLE D CAST
IRON COVER



CONCRETE
MANHOLES