



City of
Bayswater

Facilitating cooperation from builders and developers to prevent sediment loss

Why is it important?

City of
Bayswater



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Issues

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- Blocked storm water pits and drains
- Localised flooding
- Pedestrian and traffic hazards
- Public health & environmental concerns
- Nuisance

Issues

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Main Causes

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Site works

- De-watering
- Heavy machinery



Construction/ Demolition

- Cutting/ grinding
- Washing down



Lack of ongoing site management

- Inadequate dust suppression
- Stockpiling
- Insufficient screening





Approach

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- Education & support
 - Contact developer/ builder
 - Site meetings during site works/ construction phase
- Conditions of approval
- Enforcement



Education/ Support

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- Explain the need for the controls
- Discuss site specific concerns and the potential impacts
- Listen to ideas/ suggestions
 - Are they reasonable?
 - Will they achieve the desired outcome?
- Being available to discuss matters
- Designated officers for unauthorised discharges



Conditions of Approval

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A management plan is requested which addresses:

- Dust Monitoring
 - For the duration of ground disturbing works or ongoing for problematic areas
 - Strategically positioned locations around the site
 - Live feed with alarms
 - Regular reporting
- Screening
- Soil stabilisation – (water/ hydromulch/ vegetation)
- Street sweeping
- Vehicle movements
- Maintenance period





Enforcement

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City of Bayswater Health Local Laws 2001

- Successful prosecution for dust nuisance – up to \$1,000

Environmental Protection (Unauthorised Discharge) Regulations 2004

- Successful prosecution – up to \$5,000
- Infringement notice - \$500

Planning & Development Act 2005

- Successful prosecution – up to \$200,000
- Daily penalties up to \$25,000



CATCHMENT MANAGEMENT

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The Issue:

When it rains, sand flows into gutters, blocking stormwater entry pits and drains, causing localised flooding and contributing to the nutrient enrichment and eutrophication of the Swan River, creeks and wetlands.

The importance of collaborative partnerships:

- State Government (Department of Biodiversity, Conservation and Attractions, Department of Water and Environmental Regulation, Water Corporation)
- The community.

What is being done:

- Constructed wetlands
- Living streams
- Gross pollutant traps
- Street sweeping
- Community education





ERIC SINGLETON BIRD SANCTUARY

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Designed to prevent 40 tonnes of sediment and other rubbish from entering the Swan River each year

\$3 million civil re-construction rehabilitation project

Completed in 2015 in partnership with DBCA





GROSS POLLUTANT TRAPS

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GPTs, street sweeping and gully ducting are effective tools for trapping sediment

COSTS

- GPT: \$150,000
- Maintenance GPT: \$16,000/year
- Maintenance sedimentation basin: \$17,500/10 years



GPTs have been installed at:

- ESBS
- Maylands Lakes
- Beard Elbow
- Wotton Street
- CSBP Fertilisers



SUPPORT THE COMMUNITY

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The City has been working with and supporting the community to develop solutions for improving water quality at the Maylands Lakes

A management plan which aims to reduce sediment, rubbish and leaves entering the Maylands Lakes is now being implemented in collaboration with the community.

One management action is the installation of nets to capture filamentous algae and other debris that can accumulate in the lakes.

