Living Brooklyn

Enabling communities through water management
Brooklyn Industrial Precinct
- Site history
Brooklyn Industrial Precinct - Strategic context

Figure 1. Metropolitan industrial nodes, infrastructure and growth areas
Bunting Road
Brooklyn in Melbourne’s west still has the worst air pollution in the city

BROOKLYN community advocates have called on the State Government to take action after their suburb suffered 28 days of hazardous dust levels last year, compared to the recommended annual safety level of just 5 days.

Monitoring by the state Environment Protection Authority showed Brooklyn experienced four weeks’ worth of PM10 dust last year, compared to the recommended annual safety level of just 5 days.
Unsealed roads cause costly dust-up

November 8, 2013

1 Relationship Building and Data Collection

Engage
- Internal Working Groups
- External Stakeholder Groups
- Technical Team
- Baseline Investigation

Technical working group
- City West Water
- Victoria University
- e2designlab
- DELWP
- Melbourne Water
- Brimbank City Council

Business leadership team
- One Steel
- Veolia Australia
- Sunshine Groupe
- Transpacfic
- Cleanaway
- Hansons
- JBS Swift
- City West Water
- Brimbank City Council

Council leadership team
- Community Planning
- City Planning
- City Strategy
- City Compliance
- Environment
- Engineering Services
- Urban Design
- GIS

Project Leadership Team
- Southern Rural Water
- EPA
- Western Health
- Department Of Health
- Vicroads
- WAGA
- Lead West
- Department Of Eco-Dev
- Greening The West
- Hobson's Bay Council
- Wyndham Council
- Maribyrnong Council
- Sustainability Victoria
- Berton Properties
- AWH
- Quabator Pty Ltd
- City Circle
- Delta
- Cedar Meats Aust.
- Sims Metal
- Friends Kororoit Creek
- Container Space
- Finch Industries
- AI Group
Water Sensitive Urban Design (WSUD)
Relationship Building and Data Collection

Analyse

- Integrated Water Cycle Management Strategy Baseline study
- Economics of the urban water cycle in BIP Baseline Report

![Diagram showing water cycle and sources in Brooklyn Industrial Precinct](image-url)
Pollutants

Road and disturbed soils

SEDIMENT

150,000 kg/yr

dust

Kororoit Creek and Stony Creek

chemicals

9,000 kg/yr hydrocarbons

Lead 150 kg/yr

Zinc 300 kg/yr

Copper 60 kg/Yr
Brooklyn in Melbourne's west still has the worst air pollution in the city

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Monitoring by the State Environment Protection Authority showed Brooklyn experienced four weeks' worth of PM10 dust last year, compared to the recommended annual safety level of just five days.
Visioning and engagement

- Living Brooklyn Vision Workshop
- Ongoing engagement with all stakeholders
- Living Brooklyn Vision Document
‘World Class Industrial Eco-Park that is the pride of place for the people working and living in Brooklyn.’
2 Consesus Building

Aspire

Direct

- Living Brooklyn
  5 Themes and
  Objectives
- IWCM Project
  Assessment
- Scenarios
- Business Case
  for IWCM

Opportunities to
Reduce dust and
Deliver IWCM

1. Onsite storm water
detention
2. Perimeter greening
trees and/or swales
3. Rain Gardens
4. Rain Water Tanks
5. Green Roofs
6. Wetlands
7. Streetscape Greening
8. Federation Trail
9. Kororoit Creek
10. Increased open space/
greenery
11. Seal Sites increase
  planting across entire
  site
12. WSUD in Carparks
13. Geelong Road
   Boulevard
<table>
<thead>
<tr>
<th>Project</th>
<th>Priority</th>
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<tbody>
<tr>
<td>Perimeter greening - swales and tree lined</td>
<td>High</td>
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<td>On-site stormwater detention and reuse</td>
<td>High</td>
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<td>Perimeter greening - swales only</td>
<td>Medium</td>
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<td>Rainwater tanks</td>
<td>Medium</td>
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<td>Rain gardens</td>
<td>Medium</td>
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<td>Green roofs</td>
<td>Low</td>
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Costs $20 M

Benefits $350 M +
### Act

- Objective led actions
- Implementation Plan
- Final IWCM Strategy

### IWCM Devt.

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<thead>
<tr>
<th>CATEGORY</th>
<th>ACTIVITY</th>
<th>STAGE ONE</th>
<th>STAGE TWO</th>
<th>STAGE THREE</th>
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<td>Downtown</td>
<td>Bike transportation, pedestrian and vehicle management plans</td>
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<td>Strategic planning framework development</td>
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### LEGEND
- Planning and preparation phase
- Implementation phase
- Construction phase (also opportunity to modify, improve and expand)
Pitfalls and learnings

http://www.trinityp3.com/2014/02/top-down-or-bottom-up-budgeting/
Brooklyn dust bid sealed with $2.6 million funding