

Recycled Plastic Technology Pty Ltd
32 Dawson Street
MOAMA NSW 2731

Attention: Mr Mark Peterson

31 March 2009

Contact: Richard Bortko
Telephone: 03 9811 8219
Our Ref: rb31032009
Your Ref: Nil
File No: TE 015 19

Dear Mark,

THE GREEN PIPE ACCEPTANCE FOR USE IN VICTORIA

I refer to your email dated 20 August 2007, subsequent meetings and emails with supporting documentation seeking product approval of *The Green Pipe* range of pipes and fittings for use on the VicRoads network.

As part of VicRoads assessment the following documentation has been reviewed:

1. Information accompanying email dated 20 August 2007:
 - Introductory letter, product list, product data, CSIRO test results, design and installation details.
2. Information accompanying meeting dated 25 September 2008:
 - Manufacturing process, Performance Summary and comparisons with requirements of AS/NZS 5065:2005.
 - The Green Pipe specifications and testing carried out by Swinburne University of Technology.
 - Testimonials.
 - Successful trial installation on the TCI Project.
3. Information accompanying meeting dated 2 December 2008:
 - Additional technical information.
 - Material Safety Data Sheet.
 - Final Report on the Investigation into the Behaviour and Performance of the Green Pipe carried out by Swinburne University of Technology.

- 4 Additional information submitted following request for information:
- CCTV footage of internal inspection of installation on MI Upgrade near Hartley Street, Port Melbourne carried out by Barry Bros.

Based on the above documentation, VicRoads accepts the use of *The Green Pipe* product on the following conditions:

1. Recycled Plastic Technology Pty Ltd will be expected to supply potential users with sufficient information to enable the structural design of the pipe using AS/NZS 2566.1:1998 (note that this product is not designed for hydrostatic pressure).
2. Recycled Plastic Technology Pty Ltd will be expected to supply potential users with the installation requirements during and after construction works to ensure proper in-service performance. Like all drainage pipes, sufficient cover over *The Green Pipe* is required to withstand construction equipment loadings.
3. That it is installed in accordance with the manufacturer's instructions and the information used in this assessment described above and the agreement of the Superintendent on any particular contract has been obtained.
4. Recycled Plastic Technology Pty Ltd will advise VicRoads of any changes that may adversely affect the structural features, durability, operational or maintenance characteristics of *The Green Pipe*.
5. Should VicRoads discover that the information provided was incorrect, that in-service performance reveals unacceptable problems, or that the plastic flexible pipes being marketed are significantly different from the information provided, it reserves the right to modify or revoke its acceptance.
6. All product supplied as *The Green Pipe* must have essentially the same chemistry, mechanical properties, and geometry as that submitted for acceptance.

Yours sincerely,



31 March 2009

DAVID BARTON
PRINCIPAL ROAD DESIGN ENGINEER
VICROADS TECHNICAL CONSULTING

e-mail: david.barton@roads.vic.gov.au