Global Road Technology have a variety of dust control solutions depending on water availability, dust abatement required (80% dust suppression through to complete 100% dust free), traffic volume, road condition, all weather access and economic constraints.

Outlined in this document is an example of cost savings that can be achieved comparing the use of GRT products to using water on a 10km road, with 90% dust reduction targeted (almost impossible to achieve using water)

Over the 3 month example comparing using GRT product to using water:

- Saves money - cost savings begin from 21 days into project
- Saves $327,680
- Saves 40%
- Saves 114,816,000 litres of water
- Saves 11,520 traffic movements
- Saves 268,800 heavy vehicle kilometres
- Saves 288 kg of greenhouse gasses
- Saves lives
- Saves maintenance

With proven results Global Road Technology increases safety and friction on unsealed roads, whilst providing a low maintenance, water proof solution when compared to continually watering and grading roads

GRT can tailor a dust control program to suit short or long term requirements, we can create all weather access tracks using in-situ material for short or long term use, whilst greatly reducing the need for imported material during construction phases.

**Scenario Parameters:**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Conventional</th>
<th>GRT Solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Road Length (m)</td>
<td>10,000</td>
<td></td>
</tr>
<tr>
<td>Road Width (m)</td>
<td>8</td>
<td></td>
</tr>
<tr>
<td>Applications per day</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Return Distance to Water (m)</td>
<td>20,000</td>
<td></td>
</tr>
</tbody>
</table>

**Result Detail:**

**Conventional**

- Area (m²): 80,000
- Truck Loads per Application: 4.0
- Fill Time per load (hrs.): 0.33
- Truck Cost per Application ($): $554.22
- Total Cost per day ($) : $2,297
- Water Application Rate (l/m²): 1.0
- Total Water Consumption over Project (kl): 115,200
- Application Speed (km/h): 15

**GRT Solution**

- GRT Product per Application (l): 16,000
- Number of Maintenance Applications: 3
- Total Water Consumed (kl): 384
- GRT Product Cost per Application ($) : $63,200
- Initial Application Cost ($) : $249,600
- Civil Engineering Cost per Application : $20,000
- Total Cost for Project Duration ($) : $499,200

**Summary**

- Break Even Point (months): 5.2
- Saving using GRT ($) : $327,680
- % Saving using GRT: 40%
- Water Saving (kl): 114,816
- Traffic Movements Saved: 11,520
- Heavy Vehicle Kilometers Saved: 268,800
- Greenhouse Gasses Saved (kg): 288

**GRT AS % OF CONVENTIONAL**

- GRT Product (%): 39%
- Conventional (%): 61%

**To find out more:**

P +61 7 5667 8550 | E info@globalroadtechnology.com

www.globalroadtechnology.com

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