

CASE STUDY – DUST SUPPRESSION

FAR NORTH DISTRICT COUNCIL 2014/2020

RDC - ROAD DUST CONTROL – MULTIPLE SITES
MINIMISING DUST ON GRAVEL ROADS



PRODUCT RDC – SUMMER SEASON DUST SUPPRESSION

ENGINEER NO ENGINEER REQUIRED

CLIENT FAR NORTH DISTRICT COUNCIL

CONTRACTOR TARMAC NORTH & GRAVEL LOCK LIMITED

LOCATION FAR NORTH, NORTHLAND, NEW ZEALAND

WHERE SCIENCE



MEETS THE EARTH

PROJECT- Dust Suppression on Gravel Roads
ESTABLISHED CLIENT OF 6 YEARS – FNDC Council

Multiple sites all over Northland, New Zealand.
The Far North District Council has been using Gravel Lock's RDC on their gravel roads each summer season for the past six years - 2014/2020

DESIGN

2 ltrs per sqm + 1ltr top up application if/when required

Road Dust Control is simply applied through a purpose built water cart at the start of the Summer Season to give the road users dust suppressed, well bound, maintenance free roads.

INSTALATION

The product is manufactured off site and brought to site in purpose built 20000ltr bulk tankers. Roads have a maintenance grade where needed and the RDC is applied. Application is completed, normally, over a two to three week time frame. In some applications a roller was on site behind the water truck rolling in the product.

THE PRODUCT PROVIDED THE BENEFITS TO THE PROJECT

The existing gravel roads are very dusty with loose aggregate with the roads being maintained by frequent grading. Water carts are used to suppress the typical dusty northland logging roads that are heavily trafficked with up to 100 movements per day.

The product is applied in 200mtr stretches outside affected house sites on multiple sites.

RDC - Dust Control that is Inexpensive, Instant and Non-corrosive.

"Three months after the application the pavement is dust suppressed and holding up well under logging truck movement's constant use. The road showed very little loss of fines and was well bound, any dust that came off was very heavy and stayed low"



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