

Case Study: Milner Butte Landfill



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Southern Idaho Regional Solid Waste Management (SISW) owns and operates a regional solid waste landfill near Milner Butte in Cassia County, Idaho. Milner Butte Landfill (MBL) operates under the high standards set forth by the SISW that features a “progressive design and implements operational practices minimize rural waste disposal impacts”, an excerpt from their application for Solid Waste Association of North America (SWANA) 2014 Excellence Award for Landfill Management. SISW was recognized as a Silver recipient of the award for their outstanding operations of MBL.

MBL has an obligation to the EPA, other government agencies and the community to apply dust suppressants to the access roads of the landfill. The current mode of suppressant was magnesium chloride, a commonly used chemical to suppress dust on gravel and soil roads that is toxic to both plants and animals. All natural, biodegradable NaturesOwn Knockout was applied to an access road into the landfill at a rate of 10 parts water to 1 part Knockout using a standard water truck that the MBL already had in the fleet.

Two months after the application, the treated soil showed that a significant amount of NaturesOwn Knockout had penetrated the roadbed and created a base that significantly suppressed the dust when traveled.

Large garbage truck traveling on a gravel road treated with Magnesium Chloride



A truck kicks up a substantial amount of dust on a road that has not been treated with any kind of dust suppressant.



A passenger van travels the same roadway two months after the NaturesOwn Knockout application creating much less dust than prior to application



Soil treated with NaturesOwn Knockout shows bonded soil particles starting at the surface as well as permeated soil below.



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