

Project Application Profile

Project: High Wind Applications of daily cover,
Landfill: Kandiyohi County and Renville County
Product Used: ProGuard SB and ProGuard IIB Plus
Date: September 2006 through February 2008

Kandiyohi County – Wilmar, Minnesota

Kandiyohi County is in the middle to the state of Minnesota and is located near Wilmar, Minnesota.



County offices are located in Wilmar, Minnesota while the landfill is located in New London. The county has noted on its web page that please call in advance if there are high winds to determine if the landfill has been open (see www.co.kandiyohi.mn.us/depts/EnvSvcs/Landfill.htm). Jeff Bredberg, Director of Environmental Services, talks about the benefits of using the ProGuard line of alternative daily covers saying 'ProGuard has helped us stay open when all the other landfills in the surrounding area are closing due to high winds'. Jeff explains during windy conditions that ProGuard IIB+ has been applied in two ways to control blowing litter during the dumping of the waste. First, in the bottom end of the high wind velocity periods, ProGuard is sprayed on the waste before the incoming waste is dumped. Just enough product is sprayed

to allow the newly dumped waste to attach to the sticky surface of waste that has been lightly coated. Then as those conditions, as they roll/spread the waste across the working face, the plastic materials that blow around, stick to the surface and don't blow away. Jeff likens this to putting salad dressing on a salad in which the dressing eventually coats all the lettuce if you move the lettuce around with your four and knife.

Photo 'J': Viridor's Pilsworth Landfill
 February 16, 2007 ConCover 180 with SS 40
 The way coverage should look



In the photo on the right, taken in the United Kingdom, the plastic bags are actually adhering to the surface of ConCover 180. ConCover 180, ConCover SW and the ProGuard line of daily cover materials are all sticky enough to get the plastic to adhere to it as is being done here as the plastic bags are being blown over the end of the interior flank wall.

Tim Geer notes also that when the wind reaches excessive gusting, they position the CAPS machine so that it is near (within spraying range) of where they are dumping the waste. On these days, they do not try to spread the piles. They make piles of waste and then spray the piles of the waste as

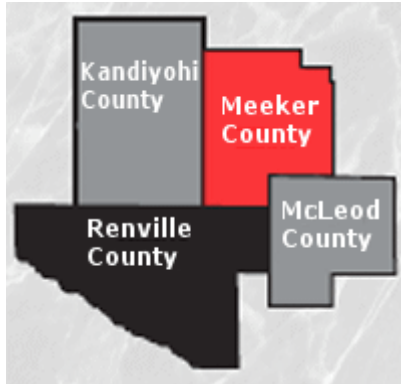
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soon as they are dumped. They wait until the wind subsides either that day or evening or even the next day. Jeff says the ProGuard weighs down the plastic bags and paper and keeps it from blowing on the neighbor's property.



We have been able to keep our site open over the last several years when those around us are shut down, other than Renville County, who is also a user of the NWC line of cover materials. In fact, when we purchased our ConCover machine from NWC in 2006, we got help on how to do this from our neighboring county.

These two aren't the only sites that are benefiting from the use of the ProGuard and ConCover line of cover materials developed by New Waste Concepts. New Waste Concepts has been in the business of continuous development of its cover materials for a broad range of uses.

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