



Project Application Profile

Project: North Country Environmental Services Inc. Landfill
Exposed Waste Excavation and installation of Gas Extraction System

Contractor: Casella Waste Management, Bethlehem, New Hampshire

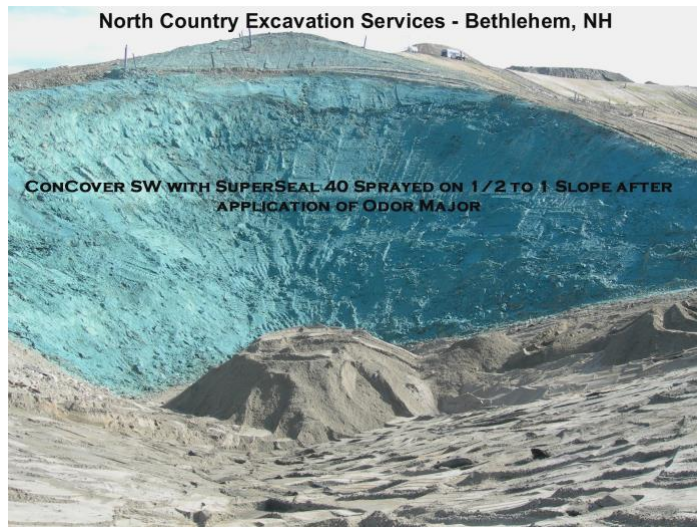
Site Manager: Kevin Roy (603-869-3366 phone) (email: Kevin.roy@casella.com)

Products Used: ProGuard IIB plus
ConCover SW with SuperSeal 40
Odor Major (formerly known as Odor Ranger Plus)

Date: April 2006 through August 2006

North Country Environmental Services, Inc. Excavation

Construction of Stage 4 Phase 1 required the contractor to complete two waste excavations. Each waste excavation had volumes of 30,000 c.y. or more. The waste that was removed via excavator was placed into off-road haul trucks. In order to control odors involved in the waste excavation, at the completion of each day, Odor Major™ (formerly known as Odor Ranger Plus™) was applied. In places where it could be applied, soil was also placed on the 1 to 1 slope of exposed trash, and then finally a coat of ProGuard IIB plus was applied. North Country Environmental Services continued this procedure throughout the 30 some odd days of waste excavation. No odor complaints were observed due to exposed waste.



The product was also utilized during the excavation for the gas extraction system modifications. The modifications involved the excavation of long trenches with ProGuard IIB plus being sprayed into the trenches. The product was sprayed directly into the trenching of the waste which allowed the contractor to leave a longer length of trenching open thru out the week without having to close it all off every night. North Country

Environmental Service used the ProGuard IIB plus and the ConCover SW cover

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materials and the CAPS machine to stabilize stock piles, cover relocated waste, and to seed out side slopes. The Concover system was a very versatile cover product and worked well with the benefit of Odor Major to assist North Country Environmental Service in controlling odors during the excavation and waste movement process.

North Country Environmental Services - Bethlehem, NH ProGuard IIB Plus Sprayed without any Dye on 1/2 to 1 Slope



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