

Willkom, Mae - DNR

From: Willkom, Mae - DNR
Sent: Friday, February 9, 2018 12:35 PM
To: Bartholomew, Craig O CIV USARMY USAG (US)
Subject: RE: Closed Landfill2

Craig,

As we discussed by phone, additional vegetation on the sand landfill cap would likely be of some benefit, as the prairie grass cover that has taken hold is quite sparse, and erosion has been an issue at times. Although breaching by deep-rooted vegetation is often a concern at landfills with clay caps, this is not a major concern at sites where the cap is comprised of sand, and significant infiltration is already occurring. The seeding of additional vegetation may be regarded as ongoing maintenance of the existing cap and therefore does not require a formal request or fees usually associated with a post-closure cap modification.

Whether or not the lupine is likely to have significant uptake of metals present in the incinerator ash is a question for a biologist, as is the question of whether the lupine and/or the butterflies may be negatively affected by that uptake, if any. If the Army does not have appropriate staff to whom you may address these questions, I would be happy to pose them to appropriate WDNR staff at your request.

Thank you for your continued diligence in maintaining the cap at Closed Landfill 2.

We are committed to service excellence.

Visit our survey at <http://dnr.wi.gov/customerurvey> to evaluate how I did.

Mae E. Willkom
Phone: 715-839-3748
mae.willkom@wi.gov

-----Original Message-----

From: Bartholomew, Craig O CIV USARMY USAG (US) [<mailto:craig.o.bartholomew2.civ@mail.mil>]
Sent: Thursday, February 08, 2018 2:53 PM
To: Willkom, Mae - DNR <Mae.Willkom@wisconsin.gov>
Cc: Herzog Blumer, Susan R CIV USARMY IMCOM (US) <susan.r.herzogblumer.civ@mail.mil>
Subject: Closed Landfill2

Mae,

One of the Threatened and Endangered (T&E) Species that Fort McCoy provides habitat for is the Karner Blue Butterfly. The main food source for these butterflies is Lupine. Due to various installation construction projects, there is always a need to replace Lupine areas that have been destroyed. The suggestion has been made to plant Lupine on the Closed Landfill 2 cap. Lupine has a deep (3-4 ft., perhaps even more) root system. Therefore, if we planted it, the roots would likely extend through the sand cap and into the ash (waste). The tap root may be up to half an inch in diameter. However, as the cap is sand, it is not likely that overall permeability would be increased, and it might even reduce the potential for cap erosion. The clumps of prairie grass (located 10 to 20 feet apart) would remain in place, and the Lupine would be planted in between these clumps by hand from seed.

How would the WDNR feel about adding Lupine to the cap with the understanding that some of the roots would extend into the waste? Thanks for all your help.

Craig O. Bartholomew
Environmental Protection Specialist
Directorate of Public Works
ATTN: IMMC-PWE-C
2171 S. 8th Avenue
Fort McCoy, WI 54656
craig.o.bartholomew2.civ@mail.mil
Office: (608) 388-8453 (DSN 280)
Fax (608) 388-6235

"We are the Army's Home"