

Dey, Asit (SD)

From: Dey, Asit (SD)
Sent: October-17-16 8:45 AM
To: Daniel Burns; 'Ryan Johnston'
Cc: Burland Ross, Siobhan (SD); Boswick, Robert (SD); jerry@nrfeedmill.com
Subject: 2016-10-17_Interim Authorization_New Rosedale Colony_EAL 3198_File 5838.00

Importance: High

Dear Mr. Burns:

This is further to a liner installation report for the New Rosedale Colony's wastewater treatment lagoon located on NW 16-18-11 WPM from Titan Environmental Containment Ltd. completed on October 5, 2016. The report was supplied by Mr. Ryan Johnston, P.Eng. of Burns Maendel Consulting Engineers Ltd. on October 6, 2016. I inspected the liner installation on September 16, 2016. The liner meets the requirements of clauses 19 and 20 of Environment Act Licence No. 3198 except Clause 19-c.

A Notice of Alteration (NoA) was submitted on October 6, 2016 with information on alterations that were completed and reasons for change. The NoA appears to address most of the concerns raised during the site inspection except the followings:

- During our inspection, it was noticed that the vents were connected to the vent pipes by friction fit. It was our understanding that they will be glued together.
- Mr. Johnston was also informed to consider incorporating a non-slip walkway along with suitable handrail from the outermost edge of the liner on the perimeter berm of the wastewater lagoon up to the location of the valve. We are aware that textured HDPE liner material was used for this project. I have discussed this issue with our team and it is of our opinion that a nonslip walkway and suitable handrail are required as a safety measure to prevent accidental falls where common berms are wrapped under plastic liners. Please update your NoA submissions accordingly.

During our site inspection, we also observed that the liner materials that were used for patching appeared to be different than 60 mil HDPE. During a recent telephone conversation with Mr. Johnston, I was informed that the patching materials are superior quality HDPE liner (i.e., >60mil). I am satisfied with Mr. Johnston's explanation.

As we are almost at the end of the construction season and as I am satisfied with the seaming method explained in your October 6, 2016 NoA request, you are hereby approved to cover the liner with sand or other granular cover material to a minimum depth of 0.3 metres measured perpendicular to the surface of the liner. Please consider this email as an interim authorization. A final authorization to operate the facility will eventually be provided upon receipt of the required information as outlined above.

If you have any questions regarding these matters, please contact me at asit.dey@gov.mb.ca.

Thanks,

Regards,

Asit Dey, P.Eng., Environmental Engineer
Department of Sustainable Development
Environmental Approvals Branch

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