

Eve O'Sullivan

From: Tom McLoughlin
Sent: 09 September 2005 12:56
To: Eve O'Sullivan
Subject: FW: KTS Waste Licence Application 218-1

for file

From: Tom McLoughlin
Sent: 09 September 2005 12:56
To: 'Jim O'Callaghan'
Subject: RE: KTS Waste Licence Application 218-1

agreed

From: Jim O'Callaghan [mailto:jim@ocallaghanmoran.com]
Sent: 09 September 2005 10:43
To: Tom McLoughlin
Subject: KTS Waste Licence Application 218-1

Tom,

I refer to our telephone conversation concerning the leachate lagoon. Development work is currently underway at the site on foot of the planning permission and waste permit issued by Wicklow County Council. At present a 4mm bituminous geomembrane (Coletanche ES2) is being installed across green waste reception, windrow, maturation and compost storage areas. The geomembrane will underlie the asphalt pavement and provide a low permeability barrier (ca. 1×10^{-13} m/s). This type of geomembrane has been successfully used in composting facilities, landfill lining systems and the construction of leachate storage lagoons in Europe.

Based on the information provided by the supplier, ES 2 is generally similar to the 2HDPE mm geomembrane in terms of permeability co-efficient and may outperform the HDPE liner in terms of lower defects as a result of damage during installation. KTS is considering using this bituminous geomembrane as an alternative to the HDPE membrane in the lining system for the leachate lagoon. There is no cost saving however there are advantages from a site development works point of view, as the installation contractor is already on-site.

I understand that the geomembrane supplier-Coletanche-made a presentation to the Agency in January of this year on their products, which I also understand was attended by Dr. Jonathon Derham.

I would be grateful if you could indicate whether or not the use of the ES 2 as an alternative to the 2mm HDPE liner would be acceptable to the Agency. KTS appreciates the prompt attention that the Agency has given to the application and does not wish to delay the process.

Regards,

Jim O'Callaghan.

04-117-01

O'Callaghan Moran & Associates
Environmental & Hydrogeological Consultants

Tel: 021 4321521
Fax: 021 4321522
Email: jim@ocallaghanmoran.com

09/09/2005