

**From:** [Murray, John](#)  
**To:** ["Dave Wasiela"](#); [Drummond, Jaclynne](#)  
**Cc:** [Hopkins, Max E.](#); [Yi, Yongsheng \(Yong\)](#); [Tom Wilson](#); [Alan Martin](#); [Fred Brown](#)  
**Subject:** RE: Proposed Underdrain - R. J. Reynolds Rural Hall Ash Landfill - Final Cover Modification  
**Date:** Tuesday, June 12, 2012 10:11:00 AM

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DIN 16737 R.J. Reynolds 3405-INDUS-1986

Dave Wasiela-

I find the engineering aspects of the design to be adequate with several suggestions. A headwall is necessary for the downstream end of the underdrain. Have you estimated the flow rate of the spring. Is the flow rate basically constant or does it fluctuates. Will end caps be placed on the upstream end of the 6" dia. perforated sock pipes. This upstream pipe inlets should be located with a permanent marker, if possible, along with the as-built survey. As a suggestion this would make an excellent monitoring point to sample now to compare with when the cap is completed. Of course this is Jackie Drummond 's decision. John M.

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**From:** Dave Wasiela [mailto:Dave.Wasiela@erm.com]  
**Sent:** Monday, June 11, 2012 4:03 PM  
**To:** Drummond, Jaclynne  
**Cc:** Hopkins, Max E.; Yi, Yongsheng (Yong); Tom Wilson; Alan Martin; Murray, John; Fred Brown  
**Subject:** Proposed Underdrain - Rural Hall Ash Landfill

As we discussed via telephone earlier today; I am attaching a site plan with additional information pertaining to our proposed underdrain installation at the Edwards Road Ash Landfill (Permit No. 34-05). We will need to begin installation over the next 2 days, weather permitting, to keep the cap installation project moving forward. Please let me know if you need additional information or have any questions. Thank you in advance for your time and have a great day.

**David W. Wasiela, P.E.**

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