

"Skowronek, Robert (DEQ)" <SKOWRONEKR@michigan.gov>  
To: Sylwia Chrostowski <Sylwia.Chrostowski@usecology.com> and 1 more...  
RE: MCC Flowback Solids

August 11, 2014 4:14 PM

Sylwia,

I reviewed the radiological analyses for the samples. The material may be processed as proposed at Michigan Disposal to achieve a radium-226 concentration less than 50 picocuries per gram and then be disposed at Wayne Disposal.

If you have any questions, please contact me.

Bob Skowronek

Robert D. Skowronek, Chief  
Radiological Emergency Preparedness Unit  
Radiological Protection Section  
Office of Waste Management and Radiological Protection  
Michigan Department of Environmental Quality  
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**From:** Sylwia Chrostowski [mailto:Sylwia.Chrostowski@usecology.com]  
**Sent:** Friday, August 08, 2014 1:46 PM  
**To:** Skowronek, Robert (DEQ)  
**Cc:** Asselin, David (DEQ)  
**Subject:** MCC Flowback Solids

Hi Bob,

This is a request for approval to blend Marcellus Shale flowback solids. This is a new generator than we have previously seen. There are three data points that represent the waste stream. They are estimating the volume being 3 boxes of material. The analysis indicates the highest Ra-226 concentration of the three data points is at 901 pCi/g. With your permission we would like to receive this material and blend it according to the approved blending procedure that was submitted to you in January 14, 2014. Please let me know if you have any questions.



Sylwia Chrostowski  
Approvals Coordinator

**EQ – The Environmental Quality Company**

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