

## Graczyk, Lisa

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**From:** Sylwia Scott <Sylwia.Scott@usecology.com>  
**Sent:** Wednesday, May 30, 2018 4:30 PM  
**To:** Graczyk, Lisa  
**Cc:** Greensley, Jean; Quackenbush, Peter (DEQ) (QUACKENBUSHP@michigan.gov); Blough, James  
**Subject:** RE: Clarification on Response to EPA's May 14, 2018 Comments  
**Attachments:** EPA 0523-0525 comment responses - 053018.pdf

Hi Lisa. Attached is WDI's response to your engineering questions. If you have any questions please let me know.

**Sylwia Scott**  
Environmental Compliance Manager

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**From:** Graczyk, Lisa [mailto:graczyk.lisa@epa.gov]  
**Sent:** Wednesday, May 23, 2018 5:57 PM  
**To:** Sylwia Scott <Sylwia.Scott@usecology.com>  
**Cc:** Greensley, Jean <greensley.jean@epa.gov>; Quackenbush, Peter (DEQ) (QUACKENBUSHP@michigan.gov) <QUACKENBUSHP@michigan.gov>; Blough, James <Blough.James@epa.gov>  
**Subject:** Clarification on Response to EPA's May 14, 2018 Comments

Sylwia,

In the WDI permit modification, revision 1, Attachment C, WDI had provided answers to EPA questions. I would like to get clarification on the response to our May 14, 2018, comment # 2. In the response, WDI stated:

*"WDI believes that the proposed overlapping distance, with much greater confining overburden pressure provided by the proposed cell liner application, will adequately prevent the separation of GCL panels. However, WDI will request "offsetting" the overlapping area between the upper and lower GCL layers to provide additional redundancy and maximize the protection. This additional installation and CQA requirements will be incorporated in the construction drawings of Subcells G2 and G3."*

Can you clarify what is meant by “offsetting” in the response?

Thank you.

Lisa

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Lisa Graczyk  
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## Response to EPA’s May 23, 2018 Comment

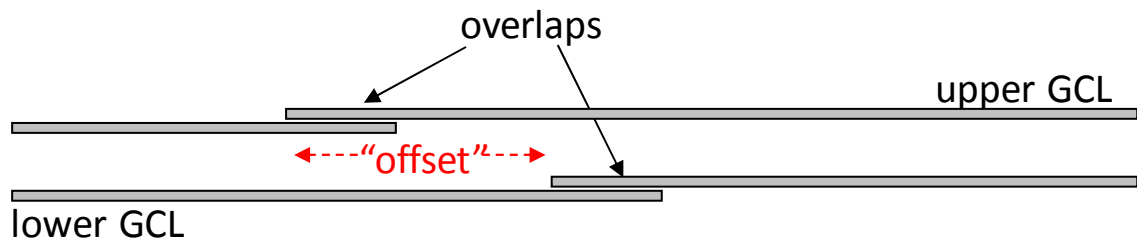
1. In the WDI permit modification, revision 1, Attachment C, WDI had provided answers to EPA questions. I would like to get clarification on the response to our May 14, 2018, comment # 2. In the response, WDI stated:

*“WDI believes that the proposed overlapping distance, with much greater confining overburden pressure provided by the proposed cell liner application, will adequately prevent the separation of GCL panels. However, WDI will request “offsetting” the overlapping area between the upper and lower GCL layers to provide additional redundancy and maximize the protection. This additional installation and CQA requirements will be incorporated in the construction drawings of Subcells G2 and G3.”*

Can you clarify what is meant by “offsetting” in the response?

Response:

Both the primary and the secondary liners have two layers of GCL. As shown in the sketch below, each roll of GCL will overlap the adjacent roll by six inches. WDI will ensure that each overlap in the upper GCL does not vertically coincide with any overlap in the lower GCL.



## Response to EPA's May 30, 2018 Comment

1. On sheet 22, detail 5/22 MC VI-E Phase 1 Transfer Trench Detail it shows the Removal of the riser pipes. My question is, is there a detail drawing of how they will be tied back into the system as shown in detail 8/22 on sheet 22 for the leachate collection system. Or can you explain what the plan was for the riser pipes.

### Response:

It should be noted, WDI has not made any changes to detail 5 of sheet 22, previously approved by EPA and MDEQ. No part of this detail is affected by the proposed design change to MC VI-G Phase 2 (the subject of WDI's current submittal). The tie-in shown in detail 5 of sheet 22 pertains exclusively to the future connection of MC VI subcell G1 to the leachate collection sump at the southwest corner of MC VI subcell E. But to answer your question, you are correct that the existing E southwest sump riser pipe will be eliminated when this future tie-in occurs; the collection pipe that enters the E southwest sump will be terminated and leachate will flow by gravity through the E southwest sump into G1 via the one foot sand layer, geocomposite and five extra layers of geonet with minimum transmissivity  $1.3 \times 10^{-3} \text{ m}^2/\text{s}$ .