

Rhonda Miller - MVLWB

From: Jean Soucy [jsoucy@fortsmith.ca]
Sent: June-20-11 1:21 PM
To: Kathleen Graham
Cc: permits@mvlwb.com; racherk@wlwb.com
Subject: RE: have I missed anything?

I have forwarded your request to Ken Johnson and Michel Lanteigne for a response. What is the deadline to respond to your questions.

Regards

Jean Soucy
A/Director of Municipal Services
Town of Fort Smith
867-872-8412
867-872-0494 cell
867-872-8401 fax

From: Kathleen Graham [mailto:kgraham@mvlwb.com]
Sent: June-20-11 11:03 AM
To: 'Jean Soucy'
Cc: permits@mvlwb.com; racherk@wlwb.com
Subject: FW: have I missed anything?

Jean,
Please respond to the questions below from the Technical Session.
Thanks,
Kathleen

Kathleen Graham

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From: Kathy Racher - WLWB [mailto:racherk@wlwb.ca]
Sent: Monday, June 20, 2011 10:04 AM

To: 'Kathleen Graham'

Subject: have I missed anything?

Hi Jean,

I took some time on Friday to re-evaluate some of the discussions at the technical session and make sure we had all the right information requests of your consultant from AECOM, Ken Johnson. You indicated that he would be back this week and I am hoping he will have the time to answer the following questions. I believe the answers to these questions will help the Board quite a bit:

1. At the technical session, it was stated that the solid waste facility has an estimated 20 year lifespan. How was this determined?
2. With respect to the Groundwater Monitoring Program Review (AECOM, June 2011), please answer the following questions:
 - a. On page 7, the document concludes that the Licence should require analysis for dissolved metals instead of total metals and that this is typical of groundwater monitoring programs. It is noted, however, that it is difficult to compare dissolved metal information to guideline values (e.g., CCME guidelines for aquatic life) since guideline values are typically reported in total metal concentrations. If dissolved metals are typically measured in groundwater monitoring programs elsewhere, what are these values compared against for the purposes of assessing environmental impacts? AECOM has further recommended (on page 8) that criteria should be established "to evaluate the results so that the laboratory may coordinate the analytical methods to reflect detection limits below the criteria values" – does AECOM have any recommendations as to suitable criteria?
 - b. On page 8, one of the recommendations is : "that a full suite of parameters be added to the surveillance program periodically (once in five years) for liability purposes, in the event that parameters not previously of concerns at the Site become elevated". Please specify what is meant by a "full suite of parameters".
 - c. With respect to the recommended suspension of sampling at BH-04 and BH-05, there was a question at the technical session as to whether these stations might be useful in distinguishing impacts to groundwater from different areas of the landfill. Please give further rationale for suspension of these two sampling locations.
 - d. Why has AECOM recommended BH-02 as the single up-gradient monitoring location over BH-01A or BH-01B (which are also up-gradient)? Please provide further rationale for removal of those two sites.
 - e. On page 6, it is noted that there is year to year variation in results possibly due to the fact that samples are taken at different times of the year. Does AECOM recommend choosing a single annual sampling date to reduce the effects of seasonal variation?

If you have any questions about these information requests, please contact Kathy Racher at 867-765-4591

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