From: Jennifer Crawford
To: Nichole Embertson
Cc: Jill Gable
Subject: Re: QAPP Approval
Date: 03/14/2011 04:42 PM

Hi Nichole,
I just went through the revised QAPP. Thanks for updating the QAPP with the revisions I requested- I think it is looking really good! I have one general comment:
Be careful with your use of both ammonia and ammonium. They are used multiple times throughout the QAPP, but these analytes are not interchangeable. For example, if the field instrument really does measure ammonium but the lab method is reporting ammonia-N (it is truly measuring NH3 and NH4+) you could have comparability issues. Can you verify what the YSI field instrument is measuring? Additionally, please cite the Standard Methods (SM) addition you are using as well in table 7.2.

Other than that, the QA issues look covered. I am having a meeting with Jill and Curt tomorrow.
thanks! Give me a call if you have any questions.
Jennifer

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▼ "Nichole Embertson" ---03/08/2011 12:02:41 PM---Jill,

From: "Nichole Embertson" <NEmbertson@whatcomcd.org>
To: Jill Gable/R10/USEPA/US@EPA
Cc: Jennifer Crawford/R10/USEPA/US@EPA, Krista Mendelman/R10/USEPA/US@EPA, Karma Anderson/R10/USEPA/US@EPA
Date: 03/08/2011 12:02 PM
Subject: QAPP Approval

Jill,

Per our discussion, I have attached our current QAPP **without** the groundwater monitoring information for approval. The attached QAPP (Version 1.1) incorporates the most recent comments received by Jennifer Crawford and Curt Black, as well as a scale-up scenario for the yearly addition of test plots (section 10.2.4). In addition, I have attached a supplement document that includes what groundwater information will be added to the QAPP via an addendum following the attainment of funding and methods approval (this information is still open to change following technical review

by an outside consultant).

Because we are unsure of the timeframe to secure funding and approval of the groundwater monitoring component of the study, we are requesting approval of our current QAPP so that we may begin installation of some of the field equipment before normal farming activities begin for the season. An equilibration period is appropriate between the installation and sampling of lysimeters so that the soil profile can return to an undisturbed profile prior to sampling. It will also give us an opportunity to test the operation and methods of other field equipment prior to sampling commencement.

If you have any questions or would like further information, please let me know. Thank you for your timely response on this matter.

Respectfully,
Nichole

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