Griswold, Jim, EMNRD

From: Holly Holder <hholder@TEAM-PSC.com>
Sent: Monday, May 16, 2016 9:59 AM
To: Griswold, Jim, EMNRD
Subject: FW: C.K. Disposal Calculations Update
Attachments: Attachment E - HELP Model - Full.pdf; Attachment M - ECP - Full.pdf

Jim, I understand from Mark you needed this asap. Let me know if you require anything else.

Robert H. (Holly) Holder, PE
Principal / Sector Director – Public Works

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From: Tyler Krueger
Sent: Friday, May 13, 2016 9:13 AM
To: h2odoc@nmt.edu
Cc: Holly Holder <hholder@TEAM-PSC.com>
Subject: C.K. Disposal Calculations Update

Clint,

I have attached the updated HELP Model Attachment to address comments from your May 10th email. I also included the updated Attachment M document to address your comments from the May 9th and 10th emails. I will summarize below:

1. Geotextile wide width tensile strength – I used an equation from "Designing with Geosynthetics" 6th edition by Robert M. Koerner which uses the CBR Puncture Strength and the radius of the rod used in ASTM 6241 to calculate the geotextile's wide width tensile strength. This calculation is shown in Attachment M, Section 3.2.

2. Compressibility Indices – I have included the reference we used to find the modified primary index of 0.006 and the modified secondary index of 0.002. I included a table and highlighted the statement we used from "Geotechnical Engineering Principles and Practices" 2nd edition by Donald P. Coduto, Man-chu Ronald Yeung, and William A. Kitch.

3. HELP Model – I have attached the correct Appendix D. The evaporative zone depth should have read 18 inches in the narrative. I updated the narrative to indicate the 18-in evaporative zone depth. I have updated Appendix E to model the 18-in evaporative zone depth.

Please let me know if you have any additional questions.

Thank you,

Tyler Krueger
Engineer-in-Training

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CK Disposal, LLC
Applicant's Exhibit O
NMOCD Case No. 15617