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Chapter 2: Energy and Carbon Assessment of Ground Improvement Works I: Definitions and Background.



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Title: Energy and Carbon Assessment of Ground Improvement Works. I: Definitions and Background
Author: Craig M. Shillaber, James K. Mitchell, Joseph E. Dove
Publication: Journal of Geotechnical and Geoenvironmental Engineering
Publisher: American Society of Civil Engineers
Date: 09/17/2015
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Chapter 3: Assessing Environmental Impacts in Geotechnical Construction: Insights from the Fuel Cycle.



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Conference Proceeding: Geo-Congress 2014 Technical Papers: Geo-Characterization and Modeling for Sustainability

Conference Proceeding Paper: Assessing Environmental Impacts in Geotechnical Construction: Insights from the Fuel Cycle

Author: Craig M. Shillaber, James K. Mitchell, Joseph E. Dove

Publisher: American Society of Civil Engineers

Date: 02/24/2014

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Chapter 4: Energy and Carbon Assessment of Ground Improvement Works II: Working Model and Example.



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Title: Energy and Carbon Assessment of Ground Improvement Works. II: Working Model and Example

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Chapter 5: Sustainability Considerations in Deep Mixing Applications, with Examples from LPV 111 in New Orleans, LA.



Craig Shillaber <cmshill@vt.edu>

Question Regarding Exclusive Copyright Agreement for Deep Mixing 2015

3 messages

Craig Shillaber <cmshill@vt.edu>

Wed, Apr 22, 2015 at 9:15 AM

To: tengler@dfi.org

Cc: staff@dfi.org

Good Morning Theresa:

I have a question regarding the exclusive copyright agreement for publication of a paper in the proceedings of the Deep Mixing 2015 Conference. I was wondering if based on item 4 of the agreement, it was acceptable for me to use the paper in its final format in my Ph.D. dissertation, with a reference to where it was originally published? Ultimately, dissertations are published by the university and accessible (publicly available) through university libraries.

If not, I would like to maintain the rights to do so, and could attach an addendum to the publishing agreement to that effect.

Thank you,

Craig

Craig M. Shillaber
Ph.D. Candidate
Via Department of Civil and Environmental Engineering
Virginia Tech
Blacksburg, VA

Theresa Engler <tengler@dfi.org>

Wed, Apr 22, 2015 at 3:50 PM

To: Craig Shillaber <cmshill@vt.edu>

Cc: Staff <Staff@dfi.org>

Craig,

As described in item #4, you retain ownership of the paper but you must acknowledge and reference DFI's publication in which it was originally published. Therefore, yes, you can use it in your dissertation and as long as the acknowledgement remains with it, the university can publish it.

I hope this answers your question.

Best regards,

Theresa

Permissions for Use of EIO-LCA Results from the Carnegie Mellon University Green Design Institute EIO-LCA Website.



Craig Shillaber <cmshill@vt.edu>

Usage and Copyright When Using Results from the EIO-LCA Website

5 messages

Craig Shillaber <cmshill@vt.edu>
To: green-design@andrew.cmu.edu

Fri, Nov 13, 2015 at 7:52 AM

Hello,

I have been working on quantifying the embodied energy and carbon associated with the construction of geotechnical works (e.g., foundations, ground improvement). As part of my work, I've been developing unit coefficients of energy and carbon for materials that can be easily used for quantifying the impacts from multiple case history projects. To develop a coefficient for bentonite clay, which is widely used for drilling mud, I used the EIO-LCA website in conjunction with information in the following publication:

Jiang, M., Griffin, M. W., Hendrickson, C., Jaramillio, P., VanBriesen, J., and Venkatesh, A. (2011). "Life cycle greenhouse gas emissions of Marcellus shale gas." *Environmental Research Letters*, 6(3).

Essentially, I used the mass and price of bentonite per well as presented in the above publication to determine the amount of carbon and energy per kilogram of bentonite from the EIO-LCA website results.

My question is, if I want to use the coefficient I derived in a spreadsheet tool that could potentially be released or used beyond my current academic research, what is appropriate and fair use of bentonite energy and carbon coefficients derived in this manner?

Thank you,

Craig

Craig M. Shillaber
Ph.D. Candidate
Via Department of Civil and Environmental Engineering
Virginia Tech
Blacksburg, VA

Michael Griffin <wmichaelgriffin@cmu.edu>
To: Craig Shillaber <cmshill@vt.edu>

Fri, Nov 13, 2015 at 8:33 AM

Craig,

You are free to use the information that is in the public domain for your research. We ask, as all academics do, to cite the paper and the EIO-LCA model.

Good luck in your work.

MG

W. Michael Griffin, Ph.D.
Associate Research Professor,
Engineering and Public Policy

Craig Shillaber <cmshill@vt.edu>
To: Michael Griffin <wmichaelgriffin@cmu.edu>

Fri, Nov 13, 2015 at 8:54 AM

Dr. Griffin:

Thank you for the prompt reply. I will certainly make sure everything is cited.

Is the Fair Use situation different if the calculation spreadsheet I have been developing (including the coefficients I derived for bentonite) is released outside my dissertation and academic papers? A few faculty here would like to see my work and method reach practitioners through the Center for Geotechnical Practice and Research (CGPR) here at Virginia Tech, in order to advance sustainability considerations in geotechnical engineering. The CGPR is a forum for communication, interaction and exchange of ideas among geotechnical engineers in practice and academia. If any of my work is released through the CGPR, practitioners may use it in some of their commercial work.

Thank you,

Craig

Craig M. Shillaber
Ph.D. Candidate
Via Department of Civil and Environmental Engineering
Virginia Tech
Blacksburg, VA

[Quoted text hidden]

Michael Griffin <wmichaelgriffin@cmu.edu>
To: Craig Shillaber <cmshill@vt.edu>

Fri, Nov 13, 2015 at 9:18 AM

No. You are developing this work for your degree. The dissertation is a public document. People would be free to use your data.

MG

[Quoted text hidden]

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Craig Shillaber <cmshill@vt.edu>

[SAS 7611589858] FW: JMP 11 Pro License Question

1 message

SAS Education <training@sas.com>
To: Craig Shillaber <cmshill@vt.edu>

Fri, Sep 11, 2015 at 12:17 PM



Hi, Craig:

I am an instructor and Curriculum Consultant with SAS Institute. Your question has been forwarded to me for response.

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I hope this information clarifies that you do not need copyright permission to use your reports and output examples in your dissertation. If I can be of further assistance with training questions, please let me know.

Sincerely,

Cynthia Zender

SAS Education

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