

From: [Helton, Kelsey](#)
To: [John Mousa](#)
Cc: [Helton, Kelsey](#)
Subject: FW: FW: Proposed Approach to the On Site Human Health Risk Assessment for Koppers Inc.pdf
Date: Thursday, August 07, 2008 4:53:05 PM

John- Follow up to EPA question on DEP proposed risk assessment comments below.- Kelsey

The Department of Environmental

Protection values your feedback as a customer. DEP Secretary Michael W. Sole is committed to continuously assessing and

improving the level and quality of services provided to you. Please take a few minutes to comment on the quality of

service you received. Copy the url below to a web browser to complete the DEP

survey: <http://survey.dep.state.fl.us/?refemail=Kelsey.Helton@dep.state.fl.us> Thank you in advance for completing the survey.

From: Mora-Applegate, Ligia
Sent: Tuesday, August 05, 2008 9:46 AM
To: Helton, Kelsey; 'Miller.Scott@epamail.epa.gov'
Cc: 'Koporec.Kevin@epamail.epa.gov'; 'Steve Roberts'
Subject: RE: FW: Proposed Approach to the On Site Human Health Risk Assessment for Koppers Inc.pdf

Kelsey, you answered correctly.

-----Original Message-----

From: Helton, Kelsey
Sent: Tuesday, August 05, 2008 9:40 AM
To: 'Miller.Scott@epamail.epa.gov'
Cc: Koporec.Kevin@epamail.epa.gov; Mora-Applegate, Ligia; 'Steve Roberts'
Subject: RE: FW: Proposed Approach to the On Site Human Health Risk Assessment for Koppers Inc.pdf

Scott- My understanding of the intent of the 2 comments that EPA referenced below are that- Heast slope factor should be used and any range in slope factors based on other references can be discussed in the Uncertainty section of the report. I have copied Steve and Ligia so that they may provide further clarification (or correction of my understanding if necessary).

Kelsey

-----Original Message-----

From: Miller.Scott@epamail.epa.gov [<mailto:Miller.Scott@epamail.epa.gov>]
Sent: Tuesday, August 05, 2008 7:57 AM
To: Helton, Kelsey
Cc: Koporec.Kevin@epamail.epa.gov
Subject: Re: FW: Proposed Approach to the On Site Human Health Risk

Assessment for Koppers Inc.pdf

Kelsey,

Good morning, we need a clarification of comment # 5 in the University of Florida letter dated August, 1, 2008 from Dr. Roberts and Dr. Stuchal and comment #2 in the body of the e-mail which is from Ligia Mora-Applegate to you.

Ligia's e-mail indicates that FDEP will only accept values derived for Dioxin that use the Slope Factor from HEAST.

The University of Florida letter states in comment #5 states that there are multiple slope factor choices for dioxin and that the HEAST value should be among those slope factors considered in the analysis.

Can you please clarify for us which approach is intended by FDEP?

Thank you,

Scott Miller

Remedial Project Manager

Superfund Division

Superfund Remedial Branch

Section C

U.S. EPA Region 4

61 Forsyth Street, SW

Atlanta, GA 30303

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"Helton, Kelsey"

<Kelsey.Helton@dep.state.fl.us>

ep.state.fl.us>

To

Scott Miller/R4/USEPA/US@EPA,

08/04/2008 03:08

"Brouman, Mitch"

PM

<Mitch.Brouman@hanson.biz>

CC

"Mora-Applegate, Ligia"

<Ligia.Mora-Applegate@dep.state.fl.us>, "Helton, Kelsey"

<Kelsey.Helton@dep.state.fl.us>, "Kean, Judie"

<Judie.Kean@dep.state.fl.us>

Subject

FW: Proposed Approach to the On

Site Human Health Risk Assessment

for Koppers Inc.pdf

Scott-

Attached are DEP's initial review comments to the June 23, 2008 proposed

onsite human health risk assessment approach for soils and sediments at the Koppers site in Gainesville, submitted by AMEC Earth & Environmental. Following DEP review of the recent July 30, 2008 RAF and MEE submittals from AMEC and the upcoming August 25th follow up conference call, DEP may provide additional review comments on the proposed approach.

Please note that based on discussion of the proposal with DEP management, the stipulations identified in Ms. Applegate's August 4, 2008 email below should be reflected in the final risk assessment approach. Please consider this email and attachment to represent formal DEP comments to date on the proposed approach.

We look forward to the August 25 follow up conference call and completion of the onsite risk assessment. We understand that the potential risk posed by offsite soils and sediments will be evaluated separately.

Thank you.

Kelsey Helton
DEP- Bureau of Waste Cleanup
Hazardous Waste Cleanup Section
Tallahassee, FL
850-245-8969

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From: Mora-Applegate, Ligia

Sent: Monday, August 04, 2008 10:44 AM

To: Helton, Kelsey

Cc: Boeshaghi, Teresa; Kulakowski, Zoe

Subject: Proposed Approach to the On Site Human Health Risk Assessment for Koppers Inc.pdf

Kelsey, As discussed with you and Steve, I concur with the detailed UF comments.

In a letter you need to specify to Beazer that we met with Management and these were the directions given:

- 1) FDEP's acceptable excess cancer risk level is 1.0E-06 and a HI of 1.0 for non-carcinogens.
- 2) FDEP will only accept values derived for Dioxin that use the Slope Factor from HEAST.
- 3) Relative bioavailability can be adjusted only if in vivo studies are conducted using Gainesville Koppers soils.
- 4) Exposure Units need to be redefined to make them more realistic i.e. smaller .
- 5) Evaluation of risks at the 95Th percentile is acceptable.
(See attached file: Proposed Approach to the On Site Human Health Risk Assessment for Koppers Inc.pdf)