Hanson, David L - DNR

From: Hanson, David L - DNR
Sent: Thursday, May 29, 2025 10:02 AM
To: Pratap Singh
Cc: Hanson, David L - DNR
Subject: RE: RFI #56 Vapor Barrier- BRRTS # 02041-535783 VRP Plaza Building, Milwaukee

Dr. Singh,

That should be acceptable provided stacking them together is not against manufacturer recommendations and does not impact KSingh's ability to install the barrier appropriately according to manufacturer instructions. Ultimately, this is up to KSingh and any changes should be documented in the post-construction sampling report.

Please contact me if you have any questions.

Thank you.

David

David L. Hanson
he/him/his
Cell Phone: (414) 639-4156
david.hanson@wisconsin.gov

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From: Pratap Singh <psingh@ksinghengineering.com>
Sent: Wednesday, May 28, 2025 2:36 PM
To: Hanson, David L - DNR <David.Hanson@wisconsin.gov>
Subject: RE: RFI #56 Vapor Barrier- BRRTS # 02041-535783 VRP Plaza Building, Milwaukee

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David,

Thank you for the feedback. Contractor is planning to use Drago Vapor Barrier. They intend to use two 20 mil Drago Vapor Barrier which is resistant to VOCs.
I need your approval to proceed with it.
Thank you,

Pratap N. Singh, Ph.D., PE
Principal Engineer | psingh@ksinghengineering.com
262.821.1171, ext. 105 (p) | 414.313.4718 (cell)

www.ksinghengineering.com

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From: Hanson, David L - DNR <David.Hanson@wisconsin.gov>
Sent: Wednesday, May 21, 2025 4:33 PM
To: Pratap Singh <psingh@ksinghengineering.com>
Cc: Robert Reineke <rreineke@ksinghengineering.com>; Timothy Keefe <tkeefe@HNTB.com>; Misky, David <dmisky@milwaukee.gov>; Hanson, David L - DNR <David.Hanson@wisconsin.gov>
Subject: RE: RFI #56 Vapor Barrier- BRRTS # 02041-535783 VRP Plaza Building, Milwaukee

Dr. Singh,

Based on the Stego Wrap manufacturer's website (https://www.stegoindustries.com), it doesn't appear the proposed 20 mil wrap is specifically intended to prevent intrusion of volatile organic compounds (VOCs). The DNR does not believe putting two together would be an effective solution.

The DNR recommends you contact the manufacturer and use a barrier that is rated for and intended to be a barrier for VOCs, including chlorinated compounds. Based on the Stego Wrap manufacturer's website it appears the Drago barriers are designed to prevent VOC intrusion.

Ultimately it's up to KSingh on what barrier would be used because it's unknown whether mitigation will be required until there is post-construction vapor sampling data; and if mitigation is required, there will be an active sub-slab depressurization system which would then be commissioned to demonstrate it is effective.

Please contact me if you have any questions.

Thank you,

David

David L. Hanson
he/him/his
Cell Phone: (414) 639-4156
david.hanson@wisconsin.gov

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From: Pratap Singh <psingh@ksinghengineering.com>
Sent: Tuesday, May 13, 2025 6:15 PM
To: Hanson, David L - DNR <David.Hanson@wisconsin.gov>
Cc: Robert Reineke <rreineke@ksinghengineering.com>; Timothy Keefe <tkeefe@HNTB.com>; Misky, David <dmisky@milwaukee.gov>
Subject: FW: RFI #56 Vapor Barrier- BRRTS # 02041-535783 VRP Plaza Building, Milwaukee

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David,

We request your approval to use two 20- mil barrier in place of a single 40 mil barrier which will take six weeks to be delivered. Performance of two 20-mil barrier will be comparable to that of 40- mil barrier. The project is in construction phase, and I request your approval. Please see the attachment and Robert's note to me regarding this matter.
Thank you.

Pratap N. Singh, Ph.D., PE
Principal Engineer | psingh@ksinghengineering.com
262.821.1171, ext. 105 (p) | 414.313.4718 (cell)
www.ksinghengineering.com

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From: Robert Reineke <rreineke@ksinghengineering.com>
Sent: Tuesday, May 13, 2025 12:00 PM
To: Pratap Singh <psingh@ksinghengineering.com>
Cc: Angy Singh <angy.singh@ksinghengineering.com>
Subject: FW: RFI #56 Vapor Barrier

Dr. Singh,

The vapor intrusion mitigation plan submitted to and approved by WDNR is for a 40 mil roll on barrier. The contractor is proposing to replace the 40-mil single layer barrier with a barrier consisting of two 20-mil layers. I believe that two 20-mil layers installed with smoke testing is just as protective against vapor intrusion, but we should seek concurrence with David Hanson of WDNR. A response from WDNR will allow us to respond appropriately to the RFI.

Robert Reineke, PE
Senior Engineer | rreineke@ksinghengineering.com
262.821.1171, ext. 111 (p) | 262.821.1174 (f)
www.ksinghengineering.com

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From: Timothy Keefe <tkeefe@HNTB.com>
Sent: Tuesday, May 13, 2025 9:30 AM
To: Pratap Singh <psingh@ksinghengineering.com>
Cc: Michael Hammond <mhammond@HNTB.com>; Joe Miletta <jmiletta@tkwa.com>; Chris Socha <csocha@tkwa.com>; Angy Singh <angy.singh@ksinghengineering.com>; Robert Reineke <rreineke@ksinghengineering.com>
Subject: FW: RFI #56 Vapor Barrier

Good morning Pratap,

Please see the attached RFI related to the vapor barrier for the VRP Plaza building.

Thank you,

Timothy J. Keefe, PE
Transportation Engineer
Tel (414) 359-2300 **Email** tkeefe@hntb.com

Celebrating 110 Years of Excellence

From: Kari Lilly <klilly@selzer-ornst.com>
Sent: Tuesday, May 13, 2025 7:51 AM
To: Joe Miletta <jmiletta@tkwa.com>
Cc: Grace.Newcomb@clarkdietz.com; Nat Davauer <n@davauer.com>; Nate Orlowski <norlowski@selzer-ornst.com>; Matt Tadisch <matt@selzer-ornst.com>; Timothy Keefe <tkeefe@HNTB.com>; Michael Hammond <mhammond@HNTB.com>; Rubiano, Nicole <nirubi@milwaukee.gov>; Aaron P. Poster <aaron.poster@clarkdietz.com>; Chris Socha <csocha@tkwa.com>; Rutenbeck, Holly <hjruten@milwaukee.gov>; Bill Wondrachek <bwondrachek@walbecgroup.com>
Subject: RFI #56 Vapor Barrier

External Email: Use caution when clicking on links, replying, or opening attachments.

Hi Joe

Please see attached RFI #56 for the Vapor Barrier.

Thanks

Kari Lilly
Operations Support Manager
Selzer-Ornst Construction Company, LLC
6222 W. State Street, Milwaukee, WI 53213
P: 414.258.9900 Ext. 139 | F: 414.258.3693
Email: klilly@selzer-ornst.com

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